LAU School of Pharmacy

Mapping Program Educational Outcomes (PEOs) to Key Performance Criteria (KPC) in Professional Pharmacy Courses

Stream I	Stream II	Stream III	Stream IV	Stream V	Stream VI
Pharmacy Practice	Social, behavioral and administrative Sciences	Basic Sciences	Pharmaceutical Sciences	Pharmacotherapy	Library and Educational resources

	PHA 308	PHA 309	PHA 312	PHA 314	PHA 315	PHA 320	PHA 322	PHA 325	PHA 313	PHA 316	PHA 317	PHA 330	PHA 333	PHA 340	PHA 397	PHA 398	PHA 399	PHA 421	PHA 422	PHA 430	PHA 441	PHA 442	PHA 435	PHA 443	PHA 444	PHA 445	PHA 449	PHA 452	PHA 557	PHA 560	PHA 570	PHA 571	PHA 515	PHA 572	PHA 670	PHA 671	PHA 672	PHA 673	PHA 650
PEO 1: Gather, interpret, and evaluate needed patient-related data to identify actual or potential drug therapy problems (Rx and OTC) and develop a complete medical and drug therapy problem list																																							
• KPC 1.A: Gather and present patient-specific information						I	I	I								I	I	I			R			R		R	R	R		R		A		A	A	A	A	A	A
• KPC 1.B: Interpret and evaluate patient- and drug-related data			I						I			I				I	I	I	I	I	R	R		R		R	R	R		R	A	A		A	A	A	A	A	A
• KPC 1.C: Develop complete medical and drug therapy problem list						I											I				R	R		R		R	R	R		R	A	A		A	A	A	A	A	A
PEO 2: Select and recommend appropriate drug and non-drug therapy to design patient centered treatment plans																																							
• KPC 2.A: Identify goals of therapy for patient's medical problem(s)			I			I			I			I		I					I	I	R	R		R	R	R	R	R		R		A		A	A	A	A	A	A
• KPC 2.B: Demonstrate appropriate pharmaceutical and therapeutic knowledge			I	I		I			I	I		I		I		I			I	I	R	R	I	R	R	R	R	R		R	A	A		A	A	A	A	A	A
• KPC 2.C: Recommend appropriate drug therapy plan			I			I			I			I		I					I	I	R	R		R	R	R	R	R		R	A	A		A	A	A	A	A	A
• KPC 2.D: Recommend appropriate non-drug therapy plan						I								I							R	R		R	R	R	R	R		R		A		A	A	A	A	A	A
PEO 3: Devise and implement a patient monitoring plan to ensure achievement of desired therapeutic outcomes																																							
• KPC 3.A: Monitor patient-specific parameters for drug efficacy and safety						I								I				I			R	R		R	R	R	R	R		R	A	A		A	A	A	A	A	A
• KPC 3.B: Assess appropriate parameters in a timely manner						I												I			R			R	R	R	R	R		R	A	A		A	A	A	A	A	A
• KPC 3.C: Anticipate and report adverse effects and drug interactions			I			I	I	I	I			I				I		I	I	I	R	R		R	R	R	R	R		R	A	A		A	A	A	A	A	A
PEO 4: Collaborate and communicate with other health-care professionals to engender a team approach to patient care																																							
• KPC 4.A: Interact with healthcare professionals						I	I	I								I	I										R	R		R	A	A		A	A	A	A	A	A
• KPC 4.B: Participate in the daily activities of the medical team						I	I	I								I	I										R			R		A		A	A	A	A	A	A
• KPC 4.C: Communicate drug information to the healthcare team related to patient care						I	I	I								I	I	I									R	R		R	A	A		A	A	A	A	A	A
• KPC 4.D: Listen to other team members						I	I	I								I	I	I												R	A	A		A	A	A	A	A	A
PEO 5: Educate patients, caregivers, other health care professionals and the public about drug therapy, medical goods and devices																																							
• KPC 5.A: Interact with patients, caregivers and health care professionals						I	I	I								I											R	R		R		A		A	A	A	A	A	A
• KPC 5.B: Inform the patient and caregivers about the use of drugs, medical goods and devices				I		I	I	I		I						I					R	I		R			R	R		R		A		A	A	A	A	A	A
• KPC 5.C: Instruct health care professional about drug therapy, medical goods and devices				I		I	I	I		I						I								R			R	R		R	A	A		A	A	A	A	A	A
• KPC 5.D: Educate the public about drug therapy, medical goods and devices				I		I	I	I		I						I								R			R	R		R		A		A	A	A	A	A	A
PEO 6: Prepare, dispense, and store medications appropriately and accurately according to professional standards and/or supervise their preparation																																							
• KPC 6.A: Correctly count, measure, mix, reconstitute, and calculate the quantity of medications to dispense				I	I					I	I					I					R						R				A	A			A	A	A	
• KPC 6.B: Correctly prepare the label for the finished prescription including beyond-use date of the extemporaneously compounded pharmaceutical products				I	I					I	I																R				A	A			A	A		
• KPC 6.C: Educate patients or caregivers on the drug dosage, indication, adverse drug reactions, action to be taken in the event of a missed dose, and proper administration technique			I		I		I		I		I	I				I			I	I		R	I			R				A	A			A	A	A	A	A
PEO 7: Develop skills to collaborate with policy makers, payers, members of the community, health providers, other stakeholders and decision-makers to promote public health and resolve public health problems																																							
• KPC 7.A: Determine the pharmacist practice activity domains in public health initiatives and promoting safe medication use in society						I	I	I								I		I									R	R		R		A							
• KPC 7.B: Formulate strategies to offer disease detection and prevention programs in the public						I	I	I								I											R	R	R	R		A							
• KPC 7.C: Provide disease prevention and prevention health care services (e.g., smoking cessation, weight reduction, diabetes screening, blood pressure screening, immunization services) tailored to the needs and background of a given audience						I	I									I						R				R	R	R	R	R		A		A	A	A	A	A	A
• KPC 7.D: Collaborate with policy makers, payers, members of the community, health providers and decision makers in the development of pharmacy related public health initiatives							I	I								I											R		R	R		A							
PEO 8: Apply patient- and population-specific data, quality assurance strategies, and research processes to assure that medication use systems minimize drug misadventuring and optimize patient outcomes																																							
• KPC 8.A: Integrate evidence from the literature with clinical expertise and consideration of patient preference to optimize patient outcomes	I	I				I						I				I	I	I	I	I	R	R		R		R	R	R	R	R	A	A		A	A	A	A	A	A
• KPC 8.B: Identify and minimize or avoid drug interactions, adverse effects, and contraindications associated with the recommended drug therapy												I				I	I		I	I	R	R		R		R	R	R		R	A	A		A	A	A	A	A	A
• KPC 8.C: Apply pharmacist practice activity domains in public health initiatives to promote safe medication use in society						I										I	I	I			R			R			R	R		R	A	A		A	A	A	A	A	A
PEO 9: Assure efficient, cost-effective utilization of human, physical, medical, informational, and technological resources in the provision of patient care																																							
• KPC 9.A: Apply principles of pharmacoeconomics in making pharmaceutical care decisions.															I	I						R		R		R	R		A	R		A		A	A	A	A	A	A
• KPC 9.B: Recognize distinguishing characteristics of drug distribution systems in a variety of settings, including technological and informational resources													I		I	I		I									R				A	A		A	A	A	A	A	A
• KPC 9.C: Develop and utilize policies and procedures that provide assurance for improving the efficiency and effectiveness of a given drug distribution system													I		I			I											R		R	A		A	A	A	A	A	A
PEO 10: Describe and demonstrate appropriate utilization of management principles and use of health care resources in the American and Lebanese health care system																																							
• KPC 10.A: Define the role of the pharmacist in providing medication therapy management						I	I	I					I		I	I		I									R			R	A	A		A	A	A	A	A	A
• KPC 10.B: Identify key features of private and public payers of health care						I	I	I					I		I	I													R	R		A		A	A	A	A	A	A
• KPC 10.C: Describe the roles of the American and Lebanese government in financing health care programs (Medicare, Medicaid, National Social Security Foundation…)							I	I					I		I	I														R	A	A		A	A	A	A	A	A
• KPC 10.D: Recognize distinguishing characteristics of drug distribution systems in a variety of settings, included automated systems							I						I			I		I									R			R	A	A		A	A	A	A	A	A
PEO 11: Retrieve, analyze, and interpret the professional and scientific literature to make informed, rational and evidence-based decisions																																							
• KPC 11.A: Effectively and efficiently select pertinent scientific literature	I	I				I										I	I	I	I			R					R		R	R	A	A	A	A	A	A	A	A	A
• KPC 11.B: Critically analyze primary literature with regard to study design, methodology, findings, and conclusions	I	I				I										I	I	I				R					R		R	R	A	A	A	A	A	A	A	A	A
• KPC 11.C: Integrate evidence from the literature with applicability to patient case to draw a conclusion						I										I	I	I			R					R	R			R	A	R	A	A	A	A	A	A	A
• KPC 11.D: Properly cite reference sources utilized	I	I				I										I	I	I				R					R			R	A	A	A	A	A	A	A	A	A
PEO 12: Explain the moral standards and professional conduct and discuss the ethical obligations related to the profession of pharmacy in order to resolve ethical conflicts and dilemmas																																							
• KPC 12.A: Develop a sense of pride, dignity and purpose concerning pharmacy						I	I	A							I	I	I										R			R		A		A	A	A	A	A	A
• KPC 12.B: Exnlain the ethical obligations of a pharmacist						I	I	A							I	I	I											R			A			A	A	A	A	A	A
• KPC 12.C: Demonstrate communications that would be helpful when there are ethical conflicts						I	I	A							I	I	I														A		A	A	A	A	A	A
• KPC 12.D: Resolve ethical and moral decisions faced by pharmacists						I	I	A							I	I	I														A			A	A	A	A	A
PEO 13: Demonstrate compliance with local, state, federal and international regulations affecting pharmacy practice																																							
• KPC 13.A: Identify local and international regulations affecting pharmacy practice (accreditation, education, licensures…)				I			I			I						I	I												R	A	A			A	A	A	A	A
• KPC 13.B: Recognize professional, ethical, and moral practice situations that may give rise to liability under civil law							I	I								I	I												R	A	A			A	A	A	A	A
• KPC 13.C: Identify the local and U.S. regulations related to medication use and controlled substances. (filling, refilling, dispensing, storage, inventory…)				I	I		I			I						I	I													A	A				A	A		
• KPC 13.D: Demonstrate ability to counsel patients while guaranteeing the confidentiality of their prescriptions and medical records							I	I								I	I							R					R		A			A	A	A	A	A
PEO 14: Exhibit intellectual curiosity and personal commitment to ensure ongoing professional competency by identifying and analyzing emerging issues, products, and services that may impact patient-specific and population- based pharmaceutical care																																							
• KPC 14.A: Developed retrieval skills and critical thinking	I	I				I									I	I	I	I			R			R	R	R		R	R	R	A	A	R	A	A	A	A	A	A
• KPC 14.B: Identify her/his learning preferences and describe their strengths and self-limitations	I	I				I									I	I	I				R			R	R	R				R	A	A		A	A	A	A	A	A
• KPC 14.C: Develop strategies for overcoming the weaknesses						I									I	I	I				R			R	R	R				R		A		A	A	A	A	A	A
• KPC 14.D: Manage time appropriately and efficiently						I	I	I							I	I	I				R				R	R				R	A	A	I	A	A	A	A	A	A
• KPC 14.E: Display confidence and self-motivation						I	I	I							I	I	I	I			R				R	R				R	A	A	I	A	A	A	A	A	A

I = Introduce, R = Reinforce, and A = Apply (levels).

The colors assigned to the professional courses numbers courses represent the professional year (P1 = green, P2 = red, P3 = brown, P4 = blue).