



CAPE Domain Analyses of Curriculum Competencies

November 2013

Competency # 1

Design, implement, monitor, evaluate, modify, and discontinue patient pharmacotherapy through direct patient interactions and evidence-based principles to ensure effective, safe, and economical patient care.

Domains of Patient Care	Curricular Objectives	
Foundational Knowledge (Knowledge)	EO 1.1.2.1	Explain the pathophysiology of common disease states.
	EO 1.1.2.2	Explain the pharmacologic action of commonly prescribed drugs.
	EO 1.1.2.3	Explain the indications for commonly prescribed drugs.
	EO 1.1.2.4	Explain the pharmacokinetic and pharmacodynamics properties of commonly prescribed drugs.
	EO 1.1.2.5	Explain the chemical properties of commonly prescribed drugs.
	EO 1.1.2.6	Describe factors to consider when evaluating the cost of a patient's drug therapy.
	EO 1.1.2.8	Discuss the effects of insurance and institutional policies on making decisions about a patient's drug therapy.
	EO 1.1.2.10	Interpret results of common laboratory tests related to drug therapy issues.
	EO 1.1.2.11	Describe the potential influence of physiologic processes (e.g., aging) diseases, and drugs on common laboratory tests.
	EO 1.1.3.9	Describe common laboratory tests used in making a diagnosis of a medical problem or in designing and pharmacotherapeutic regimen.
	EO 1.1.3.1	Discuss the prognosis of common medical problems relative to cure, management, or palliation.
	EO 1.1.3.2	Discuss the role of drug therapy with regard to prognosis for common disease states.
	EO 1.2.1	Explain the usual dose, dosage form, route of administration, dosing schedule, and duration of therapy for a given drug in a pharmacotherapeutic regimen.
	EO 1.2.2	Discuss drug-drug, drug-food, and drug-lab interactions for commonly prescribed drugs.
	EO 1.2.3	Discuss patient-specific factors that influence the selection of a drug, dosage form, route, schedule, and duration of therapy.

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EO 1.2.3.1	Discuss those pharmacogenetic factors that influence the selection of a drug, dose, or dosing interval.
EO 1.2.3.2	List drugs and drug classes which show genetic variability in their effectiveness or pharmacokinetic characteristics.
EO 1.2.3.3	List diseases which, due to a genetic mutation, have a specific drug regimen.
EO 1.2.3.4	Demonstrate the use of genetic data to design an effective drug regimen for a patient.
EO 1.2.4	Use pharmacoepidemiology data to design an effective drug regimen for a patient.
EO 1.2.4.1	Use principles of pharmacoepidemiology to identify patients or patient populations which would most benefit from population data driven drug regimens.
EO 1.2.4.2	Use pharmacoepidemiology data to identify patients or patient populations which might be at increased risk for side effects or adverse drug reactions.
EO 1.2.4.3	Assess medications for appropriateness, effectiveness, safety, and adherence.
EO 1.3.2	Identify information to be communicated to the patient or to other health care providers in order to implement a pharmacotherapeutic regimen.
EO 1.3.3	Explain an organized health care setting's policies and procedures pertaining to a pharmacist's writing orders, prescriptions, or progress notes and making drug substitutions.
EO 1.4.2	Discuss appropriate sources of information for obtaining desired monitoring data.
EO 1.4.5	Determine those patient and laboratory parameters which measure the achievement of desired therapeutic outcomes.
EO 1.4.6.1	Discuss general classes of common drug-related problems.
EO 1.4.6.2	Determine those patient and laboratory parameters which measure adverse drug reactions or interactions.
EO 1.4.6.4	Discuss patient-specific laboratory parameters to identify potential or existing drug-related problems.
EO 1.4.7.1.1	Describe effective tools to enhance medication regimen adherence.
EO 1.4.7.2	Use pharmacoepidemiology data to modify drug

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	<p>EO 1.5.1</p> <p>EO 1.5.5.1</p> <p>EO 1.5.6</p> <p>EO 1.5.6.1</p> <p>EO 1.6.1</p> <p>TO 1.1</p>	<p>regimens for a patient or patient population.</p> <p>Differentiate subtherapeutic, therapeutic, or undesired responses to a pharmacotherapeutic regimen.</p> <p>Explain the processes for monitoring and reporting adverse drug reactions.</p> <p>Discuss federal, state, and institutional regulations that promote collaborations and/or practice agreements with physicians and other health care providers.</p> <p>Discuss drug selection, initiation, modification, discontinuation, and administration as permitted under collaborations and/or practice agreements.</p> <p>Discuss strategies to prevent medication errors in the transition of the patient to another level of care or location for health care.</p> <p>Integrate patient, disease, and drug data to determine desired therapeutic outcomes for a patient.</p>
<p>Essentials for Practice and Care (Skills)</p>	<p>EO 1.1.1</p> <p>EO 1.1.1.1</p> <p>EO 1.1.1.2</p> <p>EO 1.1.1.4</p> <p>EO 1.1.2</p> <p>EO 1.1.3</p> <p>EO 1.1.4</p> <p>EO 1.1.3.4</p> <p>EO 1.2.5</p> <p>EO 1.3.4</p>	<p>Formulate a patient-specific database to support drug therapy decisions for the patient.</p> <p>Use knowledge of the organization and contents of patient medical charts, patient profiles, or databases to gather pertinent information for constructing a patient-specific database.</p> <p>Interact directly with the patient or patient's representative to obtain pertinent information for a patient-specific database.</p> <p>Perform targeted physical assessments for drug-therapy decision-making.</p> <p>Generate a prioritized patient-specific problem list.</p> <p>Generate a list of specific therapeutic outcomes for a patient.</p> <p>Develop an effective procedure to document a patient's desired therapeutic outcomes.</p> <p>Determine the patient's preventative health care needs (e.g., immunizations).</p> <p>Modify the usual drug, dose, dosage form, route of administration, schedule, and/or duration of therapy based on patient-specific factors.</p> <p>Communicate preventive health care needs to patients</p>

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		based on current accepted guidelines.
	EO 1.3.4.1	Administer appropriate immunizations accurately.
	EO 1.4.1	Discuss evidence-based pharmacologic and non-pharmacologic recommendations in a patient's pharmacotherapy plan.
	EO 1.4.3	Use knowledge of patient-specific data to define desirable values for each monitoring parameter.
	EO 1.4.4	Use knowledge of patient-specific and drug-specific data to design a schedule for the collection of data for a monitoring plan.
	EO 1.4.5.1	Assess the patient's adherence to prescribed pharmacologic and non-pharmacologic therapies.
	EO 1.4.6	Develop a system to identify a patient's drug-related problems.
	EO 1.4.6.5	Perform targeted physical assessment to identify existing drug-related problems.
	EO 1.4.7	Develop a plan to resolve a patient's drug-related problems.
	EO 1.4.8	Develop an effective procedure to document a monitoring plan.
	EO 1.4.8.4	Create a personal medication list for the patient.
	EO 1.5.2	Conclude if patient outcomes require the re-design of a pharmacotherapeutic regimen.
	EO 1.5.3	Conclude if patient outcomes require the resetting of desired therapeutic outcomes.
	EO 1.5.4	Conclude if patient outcomes require the re-design of a monitoring plan.
	TO 1.2	Formulate a pharmacotherapeutic plan to achieve desired therapeutic outcomes.
	TO 1.3	Design a plan to implement a pharmacotherapeutic regimen.
	TO 1.4	Formulate a plan to monitor a pharmacotherapeutic regimen.
	TO 1.5	Assess the outcomes of implementing a pharmacotherapeutic regimen.
	TO 1.6	Use principles of medication reconciliation to coordinate the transition of the patient to another level of care or location for health care.

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<p>Approach to Practice and Care (Ability)</p>	EO 1.1.1.2.1	Use effective interviewing skills to obtain pertinent information from the patient or the patient's representative for a patient-specific database.
	EO 1.1.1.2.2	Utilize principles of motivational interviewing to determine a patient's willingness/readiness to adhere to treatment regimens.
	EO 1.1.1.2.3	Use effective interviewing skills to assess an individual patient's health literacy, functional status, and attitudes toward drug therapy.
	EO 1.1.1.3	Use effective questioning techniques to gather pertinent information from other healthcare providers for a patient-specific database.
	EO 1.1.3.3	Collaborate with other health care providers to identify and prioritize health related problems.
	EO 1.3.1	Identify individuals to whom a recommended pharmacotherapeutic regimen must be communicated.
	EO 1.4.6.3	Use effective interviewing skills to Identify potential or existing drug-related problems in a patient's pharmacotherapy plan related to prescription and nonprescription drugs as well as dietary supplements, alternative medicines, and illicit drugs.
	EO 1.4.7.1	Formulate strategies to improve individual medication adherence to prescribed therapies.
	EO 1.4.8.1	Use effective communication skills to educate the patient or the patient's representative about the monitoring plan.
	EO 1.4.8.2	Assess the patient's or patient representative's understanding of the monitoring plan.
	EO 1.4.8.3	Assess the patient's willingness to comply with the pharmacotherapy plan.
EO 1.5.5	Develop an accepted procedure to document changes in a patient's desired therapeutic outcomes, pharmacotherapeutic regimen, or monitoring plan.	
<p>Personal and Professional Development (Attitude/Values)</p>	<p><i>None noted in this competency.</i></p>	

Competency # 2

Manage and supervise the preparation of medications and drug products.

Domains of Patient Care	Curricular Objectives	
Foundational Knowledge (Knowledge)	EO 2.1.1	When given a drug order or prescription, identify the medical problem for which a drug has been prescribed.
	EO 2.1.1.1	List the indications for commonly prescribed drugs.
	EO 2.1.1.2	Use appropriate resources to identify the indications for a prescribed drug.
	EO 2.1.1.5	Discuss patient and disease factors that influence drug or drug product selection (e.g., allergy, disease state, medication history, or economic considerations).
	EO 2.1.2.3	Use appropriate resources to identify standards, guidelines, protocols, or algorithms that verify the appropriateness of a drug for a given medical condition.
	EO 2.10.10	Select the pertinent resources to determine the bioequivalence of a given drug.
	EO 2.10.11	Describe the characteristics of chemical equivalent drug products.
	EO 2.10.12	Select the pertinent resources to determine the chemical equivalency of a given drug.
	EO 2.10.2	Describe the mechanism(s) of action of a drug or drug class.
	EO 2.10.3	Discuss the relationship of chemical equivalence, pharmaceutical equivalence, bioequivalence, and therapeutic equivalence as they apply to generic substitution.
	EO 2.10.4	Give examples of situations in which the pharmacist should consider alternative drug therapy.
	EO 2.10.5	Explain the laws and regulations that govern the selection of generic products.
	EO 2.10.6	Select appropriate literature sources to determine generic equivalents.
	EO 2.10.7	Discuss laws, regulations, and policies that govern the use of therapeutic equivalents.
	EO 2.10.8	Describe the process used by organized health care settings to determine the therapeutic equivalence of drug products and to formulate policies for their substitution.
EO 2.10.9	Describe scientific principles used to define	

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		bioequivalence.
	EO 2.11.1	Discuss legal requirements that influence drug packaging.
	EO 2.11.2	Describe physical/chemical stability properties that influence drug packaging and storage.
	EO 2.11.3	Discuss patient characteristics that influence drug packaging.
	EO 2.12.1	List the components that comprise a legal prescription label.
	EO 2.12.2	Use common medical terminology and abbreviations correctly.
	EO 2.13.1	Explain the legal responsibility for counseling when pharmacists dispense drug products.
	EO 2.14.1	List drug products that require inclusion of patient package insert and/or other drug information.
	EO 2.14.2	Explain legal and regulatory requirements for and ethical considerations when transferring possession of drug products to the health care consumer.
	EO 2.14.3	Explain legal and regulatory requirements for and ethical considerations when transferring possession of drug products to other health care providers.
	EO 2.15.1	State legal requirements for using computers for prescription/medication order processing and patient information.
	EO 2.15.2	State legal requirements for receiving or transferring prescriptions or drug orders via telephone or facsimile.
	EO 2.15.3	Describe commonly available computer applications for maintaining patient information, dispensing drugs, or controlling inventory.
	EO 2.2.1	For commonly prescribed drugs, identify the components of information required in a complete drug order or prescription.
	EO 2.2.2	For commonly prescribed drugs, identify accurate information that should appear in a complete drug order or prescription.
	EO 2.3.1	For commonly prescribed drugs, identify the drug's usual dose, dosage forms, routes of administration, and frequency of administration.
	EO 2.4.1	Discuss the concept of nonadherence as it relates to the over- or under-utilization of medications.

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	EO 2.5.1	Discuss the characteristics of drug-drug, drug-food, drug-lab, and drug-disease interactions.
	EO 2.5.2	Discuss the impact of individual patient variability (e.g. weight, age, diseases) on common types of drug-drug, drug-food, drug-lab, and drug-disease interactions.
	EO 2.5.3	Discuss the side effects of commonly prescribed drugs.
	EO 2.5.5	Discuss the toxic risk/benefits of common drugs or drug classes.
	EO 2.6.1	Describe the state and federal laws pertaining to drug dispensing.
	EO 2.6.2	Describe specific health care organization policies related to drug dispensing.
	EO 2.6.3	Describe ethical principles related to drug dispensing.
	EO 2.7.3	Describe commonly used techniques for preparing solid, semi-solid, and liquid dosage forms.
	EO 2.7.4	Select the appropriate equipment to prepare specified dosage forms.
	EO 2.8.1	Explain the ingredients in a dosage form based on chemical and physical properties of the drug and excipient.
	EO 2.8.2	Discuss important physico-chemical properties that affect drug compatibility and stability.
	EO 2.8.3	Describe optimal storage conditions for a drug based on physical/chemical properties.
	EO 2.8.4	Describe the regulatory guidelines used to assure the quality of a dosage form.
	EO 2.9.1	Explain the principles of sterile technique.
	EO 2.9.2	Explain the procedure for preparing sterile products.
	EO 2.9.3	List commonly prepared sterile products.
	EO 2.9.4	Contrast various sterilization methods.
	EO 2.9.5	Discuss important physical and chemical properties that affect drug compatibility and stability in a sterile dosage form or delivery system.
	EO 2.9.6	Select the components of a sterile dosage form based on compatibility/incompatibility of the drug(s) and diluent.

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	EO 2.9.7	Describe procedures for the safe handling, preparation, and disposal of cytotoxic drugs.
	EO 2.16.1.1	Discuss those self-limiting disease states and conditions for which non-drug therapy is appropriate.
	EO 2.16.1.2	Discuss those self-limiting disease states and conditions for which nonprescription drug therapy is appropriate.
	EO 2.16.1.3	Give examples of common non-drug therapies for specific medical problems.
	EO 2.16.2	Give examples of common nonprescription drug therapies for specific medical problems.
	EO 2.16.3	Identify those health care needs that should be met by health care personnel other than pharmacists.
	EO 2.17.2	Explain how current technology can be employed to document pharmacist recommendations.
	EO 2.17.3	Describe the types of information that should be recorded to document a pharmacist's recommendation.
Essentials for Practice and Care (Skills)	EO 2.1.1.3	Select patient data that are pertinent to evaluating a drug order or prescription.
	EO 2.1.1.4	Use available resources (e.g., patient profile, medical record, patient/caregiver interview) efficiently to create a patient-specific database.
	EO 2.1.2	Formulate appropriate action when the use of a drug is contraindicated or questioned.
	EO 2.12.4	Utilize auxiliary labels appropriate for drug product characteristics and patient-specific factors.
	EO 2.15.4	Operate a variety of electronic devices including computers skillfully.
	EO 2.3.2	Use pertinent references to determine the appropriateness of a dose, dosage form, route of administration, or frequency of administration for commonly prescribed drugs when patient characteristics require modification of standard practice.
	EO 2.3.3	Formulate an appropriate action plan when the information in a drug order or prescription is incomplete or inaccurate or the prescribed drug regimen is inappropriate.
	EO 2.4.2	Use accepted techniques for detecting patient

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		nonadherence.
	EO 2.4.2.1	Use accepted techniques for detecting abuse of controlled substances.
	EO 2.4.3	Formulate an appropriate action plan when an instance of patient nonadherence with drug therapy is detected.
	EO 2.5.4	Discuss the impact of individual patient characteristics and/or frequency of administration on the side effects of commonly prescribed drugs.
	EO 2.5.6	Discuss the risk of toxicity and manifestations of symptoms of toxicity of a drug or drug class in relation to disease and patient-specific information.
	EO 2.5.7	Formulate an appropriate action plan when a drug order or prescription presents a potential drug-related problem (e.g., drug interaction, side effect, toxic effect).
	EO 2.7.1	Calculate the correct quantities of all ingredients to prepare pharmaceutical dosage forms.
	EO 2.7.2	Accurately measure ingredients to be incorporated into a dosage form or delivery system.
	EO 2.7.5	Incorporate active and inactive ingredients into a pharmaceutically elegant dosage form or delivery system.
	EO 2.7.6	Record the compounding procedure of a drug product for future replication.
	EO 2.16.1	Recommend specific nonprescription and non-drug therapies.
	EO 2.16.4	Use a knowledge of health care systems to determine the appropriate personnel or facility to meet a patient's health care needs.
	TO 2.1	Determine the appropriateness of a drug order or prescription in relation to patient and disease-specific factors.
	TO 2.11	Select proper packaging for a drug product.
	TO 2.12	Prepare prescription labeling appropriate for a drug product.
	TO 2.15	Use electronic devices to receive or transfer prescriptions and drug orders, store and access patient information, and maintain drug dispensing and inventory records.
	TO 2.2	Determine the completeness and accuracy of information in a drug order or prescription.

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	<p>TO 2.3</p> <p>TO2.5</p> <p>TO 2.7</p> <p>TO 2.8</p> <p>TO 2.9</p>	<p>Determine the appropriateness of a drug order's or prescription's dose, dosage form, route of administration, and frequency of administration.</p> <p>Assess drug orders and prescription for potential drug-related problems.</p> <p>Prepare extemporaneous dosage forms and delivery systems.</p> <p>Evaluate the ingredients used in the preparation or manufacture of a dosage form based on the chemical & physical properties of the drug(s) and excipients.</p> <p>Use a knowledge of sterile techniques to prepare sterile dosage forms or delivery systems.</p>
Approach to Practice and Care (Ability)		
	<p>EO 2.1.2.1</p> <p>EO2.1.2.2</p> <p>EO 2.10.1</p> <p>EO 2.12.3</p> <p>EO 2.13.2</p> <p>EO 2.16.5</p> <p>EO 2.16.6</p> <p>EO 2.17.1</p> <p>TO 2.10</p> <p>TO 2.13</p> <p>TO 2.14</p>	<p>Effectively communicate information and options to prescribers or patients in order to influence action to avoid a potential drug problem.</p> <p>Use effective questioning techniques to verify a prescriber's intent in regard to contraindicated or questioned drug orders or prescriptions.</p> <p>Explain patient characteristics that may influence the choice of alternative drug products.</p> <p>Write clear directions that are consistent with the drug order and at the patient's level of understanding.</p> <p>Use effective patient counseling skills when providing information on dispensed products.</p> <p>Assess the urgency of meeting each of a patient's health care needs.</p> <p>Provide appropriate information (therapeutic benefits and adverse effects) to patients on nonprescription drugs and non-drug therapy.</p> <p>Defend the need of the pharmacist to document recommendations for nonprescription drugs and non-drug therapy.</p> <p>Assess drug orders and prescriptions for potential therapeutic alternatives.</p> <p>When dispensing drug products, counsel patients to assure adherence.</p> <p>Dispense drug products in accordance with legal requirements and professional responsibilities.</p>

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	<p>TO 2.4</p> <p>TO 2.6</p> <p>TO 2.16</p> <p>TO 2.17</p>	<p>Assess refill prescriptions or drug orders for patient adherence problems.</p> <p>Integrate legal requirements, ethical principles, and relevant policies to assess drug orders and prescriptions.</p> <p>Devise a plan for meeting the patient's health care needs related to the patient's presenting problem.</p> <p>Devise a methodology for documenting recommendations based on professional and practical considerations.</p>
<p>Personal and Professional Development (Attitude/Values)</p>	<p><i>None noted in this competency.</i></p>	

Competency # 3

Communicate effectively and professionally with patients and their caregivers, the public, other health care providers, colleagues, and College of Pharmacy representatives.

Domains of Patient Care	Curricular Objectives	
Foundational Knowledge (Knowledge)	EO 3.1.1	Identify the verbal and nonverbal components of communication.
	EO 3.1.2	Identify the cognitive and affective (i.e., thinking and feeling) information conveyed in the verbal portion of a communication.
	EO 3.1.3	Explain the characteristics of an empathetic response.
	EO 3.1.4	Differentiate empathetic from non-empathetic responses in a verbal communication.
	EO 3.2.1	Discuss ways to organize verbal or written information.
	EO 3.6.1	State established health promotion and disease prevention guidelines.
Essentials for Practice and Care (Skills)		<i>None noted in this competency.</i>
Approach to Practice and Care (Ability)	EO 3.3.1	Select persons for whom providing drug information verbally is appropriate.
	EO 3.3.2	Select the appropriate level of a verbal communication based on a person's level of comprehension.
	EO 3.3.3	Select an appropriate nonverbal aid (Including computer assisted instruction) to enhance a verbal communication.
	EO 3.3.4	Use effective strategies to assess an individual's comprehension of verbal information.
	EO 3.3.5	Use effective questioning techniques to obtain needed clarification and/or additional information.
	EO 3.3.6	Identify situations which require integration of legal, ethical, professional and institution-specific information into the formulation of verbal communication.
	EO 3.4.1	Select persons for whom providing written drug information is appropriate.
	EO 3.4.2	Select the appropriate type and style of written

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	<p>EO 3.4.3</p> <p>EO 3.4.4</p> <p>EO 3.6.2</p> <p>TO 3.1</p> <p>TO 3.2</p> <p>TO 3.3</p> <p>TO 3.4</p> <p>TO 3.5</p> <p>TO 3.6</p>	<p>communication based on a person's level of comprehension.</p> <p>Identify situations which require integration of legal, ethical, professional and institution-specific information into the formulation of a written communication.</p> <p>Use the rules of grammar, punctuation, and spelling to prepare written communications.</p> <p>Follow up on the provision of preventive health information to health care consumers or providers based on ethical principles and consumer desires.</p> <p>Formulate empathetic responses to communications from consumers or health care providers based on using effective listening skills.</p> <p>Organize information for verbal or written communication to consumers or health care providers.</p> <p>Verbally convey information to consumers or health care providers using effective communication skills.</p> <p>Write clear, concise information for consumers or health providers using effective writing skills.</p> <p>Use word processing software to prepare written communications for health care consumers and providers.</p> <p>Use effective strategies to influence the health care behavior of consumers toward preventive care.</p>
<p>Personal and Professional Development (Attitude/Values)</p>	<p style="text-align: center;"><i>None noted in this competency.</i></p>	

Competency # 4

Retrieve, analyze, and interpret the professional, lay, and scientific literature to provide drug information to patients, caregivers, health providers, and the general public.

Domains of Patient Care	Curricular Objectives	
Foundational Knowledge (Knowledge)	EO 4.1.1	Describe the types of data needed by the pharmacist to clarify a drug information request.
	EO 4.2.1	Describe the various types of drug information resources that can be used to satisfy a specific drug information request.
	EO 4.3.1	Determine if a study's design is appropriate, accurate, and complete.
	EO 4.3.2	Determine if a study's methodology is appropriate, accurate, and complete.
	EO 4.3.2.1	Describe common research designs and biases encountered in clinical research.
	EO 4.3.3	Determine if a study's results are appropriate, accurate, and complete.
	EO 4.3.3.1	Interpret common statistics used to describe samples and population.
	EO 4.3.3.2	Interpret common inferential statistics used in the medical literature to determine differences between samples or treatment groups.
	EO 4.3.4	Interpret common inferential statistics used in the medical literature to determine differences between samples or treatment groups.
	EO 4.3.5	Determine a study's clinical significance.
	EO 4.4.1	Appraise general drug information for logic of data presented.
	EO 4.4.2	Identify illogical conclusions or summaries of secondary or tertiary sources and other drug literature.
	EO 4.4.3	Determine the quality of general drug information based on the writer's expertise and reputation.
	EO 4.4.4	Identify possible vested interests of the writer of general drug information.
	EO 4.5.1	Identify that information which is specific to a drug information request.
TO 4.3	Examine clinical research literature for appropriateness, accuracy, and completeness.	

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	TO 4.4	Identify inaccuracies of bias in the professional, scientific, and lay literature.
Essentials for Practice and Care (Skills)	EO 4.2.2	Use efficient methods for locating drug information in various types of resources.
	EO 4.2.3	Use a systematic and efficient method to collect and reference information relevant to a drug information request.
	EO 4.6.6	Determine situations where follow-up drug information is necessary.
	EO 4.6.7	Justify the need to document responses to drug information requests.
Approach to Practice and Care (Ability)	EO 4.1.2	Use appropriate questioning techniques for obtaining patient, drug, and other background data relevant to a drug information request.
	EO 4.6.1	Use an understanding of audience suitability to prepare verbal or written responses to a drug information request.
	EO 4.6.2	Write concise but thorough responses to drug information requests in an appropriate format.
	EO 4.6.3	Communicate complete information to the requestor of drug information in an organized and concise manner.
	EO 4.6.4	Use effective visual aids as needed to enhance an oral or written drug information response.
	EO 4.6.5	Use effective public speaking skills to deliver drug information.
	EO 4.6.8	Devise procedures for recording and retrieving various types of drug information responses that result in effective documentation of the pharmaceutical care provided.
	EO 4.6.9	Document responses to drug information requests using a procedure that will record the provision of pharmaceutical care.
	TO 4.1	Discriminate between the requestor's statement of perceived need and actual need in order to clarify a drug information request.
	TO 4.2	Use a systematic and efficient procedure to retrieve appropriate drug information to satisfy a drug information request.

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	TO 4.5	Integrate selected drug information to form conclusions or recommendations in answering a drug information request.
	TO 4.6	Formulate a drug information response that is based on the requester's level of understanding.
Personal and Professional Development (Attitude/Values)	<i>None noted in this competency.</i>	

Competency # 5

Manage a pharmacy or pharmacy service, including technology, personnel, reimbursement and outcomes in accordance with legal and ethical principles and regulatory requirements.

Domains of Patient Care	Curricular Objectives	
Foundational Knowledge (Knowledge)	EO 5.1.1	Discuss the components of the U.S. health care system.
	EO 5.1.2	Describe the role of pharmacy practice within the health care system.
	EO 5.1.3	Discuss the components of the U.S. health care system that have direct impact on the practice of pharmacy.
	EO 5.1.4	Describe the impact of specific components of the U.S. health care system on pharmacy practice.
	EO 5.1.5	Describe the general operations of various pharmacy settings.
	EO 5.2.1	For specific practice settings, identify factors to consider when determining manpower needs.
	EO 5.2.2	Describe factors that influence the profits/losses of pharmacy operations.
	EO 5.2.4	Discuss marketing principles for implementing pharmaceutical care services in a pharmacy setting.
	EO 5.2.5	Identify evidence-based practical models used to evaluate, measure, and improve patient outcomes or to justify pharmacy services.
	EO 5.2.6.1	Identify scientific and technologic resources that may be used to assist in providing pharmaceutical care.
	EO 5.2.7	Identify resources that may be employed to maintain current knowledge of scientific and technological changes that impact the provision of pharmaceutical care.
	EO 5.2.8	Describe the steps in a systematic approach to solving problems.
	EO 5.3.1	Describe the components of an effective drug use evaluation program.
	EO 5.3.2	Explain the process to develop approved medication use guidelines.
	EO 5.3.4	Explain procedures to develop a corrective action plan.
	EO 5.3.5	Explain procedures to measure the effectiveness of a corrective action plan.
EO 5.4.3	Explain the pharmacist's role on a Pharmacy and	

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		Therapeutics committee.
	EO 5.5.1	Describe oral and written communication processes that facilitate training situations.
	EO 5.5.2	Discuss effective communication techniques a supervisor can use to describe expected work to other pharmacists and ancillary personnel.
	EO 5.5.3	Discuss effective communication approaches a supervisor can use to present judgments of job performance.
	EO 5.5.4	Discuss effective persuasive communication techniques and their application to practice management.
	EO 5.6.1	Discuss human and financial factors to be considered when implementing the use of a new resource.
	EO 5.6.2	Discuss factors to evaluate quality and value of care delivered.
	EO 5.7.1	Discuss the guiding principles of promoting medication safety.
	EO 5.7.2	Discuss approaches to prevent medication errors in various pharmacy settings.
	EO 5.7.6	Discuss steps to implement a medication safety program in an institutional and community practice setting.
	EO 5.8.1	Distinguish between the concept of a law and the concept of a regulation.
	EO 5.8.2	Explain the process for establishing laws and regulations.
	EO 5.8.3	Explain federal and state of Georgia laws and regulations governing compounding, dispensing, and distribution of pharmaceuticals.
	EO 5.8.4	Explain federal, state of Georgia, and selected local Georgia business laws and regulations pertaining to the practice of pharmacy.
	EO 5.8.5	Explain federal and state of Georgia civil laws pertaining to pharmacy practice.
	EO 5.8.6	Discuss resources that provide explanations or interpretation of laws and regulations pertinent to the practice of pharmacy.
	EO 5.8.7	Identify resources that help maintain the pharmacist's current awareness of regulatory requirements affecting the practice of pharmacy.

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	EO 5.8.9	Describe the prescribing rights of various health care providers in Georgia.
	EO 5.9.1	Discuss the ethical and professional principles that govern the practice of pharmacy.
	EO 5.9.2	Identify situations in which legal requirements are either unclear or are in conflict with ethical pharmacy practice.
	TO 5.4	Outline procedures for effective management of a drug formulary.
Essentials for Practice and Care (Skills)	EO 5.2.3	Use financial measures to assess costs and profits/losses in a specific pharmacy practice setting.
	EO 5.2.6.2	Use computer resources (e.g., MTM 3600, Mirixa, IQWare) to accurately complete a medication therapy management consult.
	EO 5.3.3	Use methods to monitor adherence to medication use guidelines.
	EO 5.4.1	Use a systematic approach to prepare drug monographs for formulary consideration.
	EO 5.4.2	Use a systematic approach to prepare monographs of drug classes for formulary review.
	EO 5.7.5	Given a medication error problem, recommend strategies to promote the prevention of future errors.
	EO 5.7.6.1	Adhere to accepted medication safety practices (e.g., not using forbidden abbreviations or numeric notations).
	EO 5.7.6.2	Use recommended REMS and other accepted safety measures to promote safe use of medications.
	EO 5.7.6.3	Use accepted processes (e.g., MedWatch program) to report adverse medication events.
Approach to Practice and Care (Ability)	EO 5.2.6	Identify resources that may be employed to maintain current knowledge of scientific and technological changes that impact the provision of pharmaceutical care.
	EO 5.2.9	Adopt a systematic approach to solving problems.

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	EO 5.7.3	Use the problem-solving process to compose a problem analysis of medication error management in a selected pharmacy environment.
	EO 5.7.4	Apply decision criteria to generate alternative solutions to problems with medication safety in a pharmacy environment.
	EO 5.9.3	Use a systematic decision making process to resolve ethical dilemmas in pharmacy practice.
	EO 5.9.4	Develop an acceptable procedure to document ethical decisions that may conflict with legal requirements.
	TO 5.1	Use health care system information to project future economic and manpower needs for pharmacy practice.
	TO 5.2	Use a systematic problem-solving process to make decisions about managing human, economic, scientific, and technological resources that maximize the provision of pharmaceutical care.
	TO 5.3	Use concepts of drug use evaluation to develop effective guidelines for a drug use evaluation program.
	TO 5.5	Use effective communication skills to work with ancillary personnel, other pharmacists, and managers.
	TO 5.6	Formulate a strategy to integrate new resources into the practice setting to achieve desired goals.
	TO 5.7	Develop strategies for detecting, preventing, and addressing medication errors.
Personal and Professional Development (Attitude/Values)	EO 5.8.8	Develop a plan for keeping current with changes in laws and regulations pertaining to the practice of pharmacy.
	TO 5.8	Observe legal principles and regulatory requirements in the practice of pharmacy.
	TO 5.9	Integrate ethical principles into one's professional conduct.

Competency # 6

Recognize potential risks and consequences of substance abuse by pharmacists; provide professional guidance and scientific information to the public and health providers regarding substance abuse, chemical dependency, and management of toxic substances.

Domains of Patient Care	Curricular Objectives	
Foundational Knowledge (Knowledge)	EO 6.1.1	Discuss potential risks and consequences of substance abuse by pharmacists.
	EO 6.1.2	Explain potential risks and consequences of chemical dependency by pharmacists.
	EO 6.1.3	Discuss steps pharmacists should take if they abuse a substance or become chemically dependent.
	EO 6.2.1	Identify sources of information about an approved or unapproved drug's potential for abuse and signs and symptoms of abuse.
	EO 6.2.2	Explain the use of medication profiles to detect drug abuse.
	EO 6.2.3	Discuss behavioral and neurological signs that may signal drug abuse.
	EO 6.2.4	Discuss action pharmacists should take when they suspect drug abuse.
	EO 6.3.1	Identify sources of drug information that describe the manifestations of dependency on a specific drug.
	EO 6.3.2	Discuss the physiological differences between substance abuse and chemical dependency.
	EO 6.3.3	Describe the signs and symptoms of chemical dependency.
	EO 6.3.4	Describe the signs and symptoms of drug withdrawal in a chemically dependent individual.
	EO 6.3.5	Discuss the pharmacist's legal and ethical obligations to a patient or colleague who is chemically dependent.
	EO 6.3.6	Discuss action pharmacists should take when chemical dependency is known.
	EO 6.4.1	Describe information sources for substance abuse and chemical dependency prevention, detection, and management.
	EO 6.5.2	Identify the appropriate information resources for the management of a case of poisoning or drug overdose.
	EO 6.5.4	Identify therapeutic alternatives for management of a case of poisoning or drug overdose.

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	EO 6.5.5	Distinguish between poisoning or drug overdose situations that can be managed by the pharmacist and those that must be referred to a physician.
	EO 6.6.1	Describe information sources for poison prevention.
Essentials for Practice and Care (Skills)	EO 6.3.7	For common drugs upon which individuals are chemically dependent, discuss prescription and nonprescription drugs which should not be recommended.
	EO 6.3.8	Prepare a treatment regimen for a patient chemically dependent upon a specific common drug.
	EO 6.5.1	Assess the urgency of an occurrence of poisoning or drug overdose.
	EO 6.5.3	Use an efficient method for retrieving poison control or drug overdose information.
	EO 6.5.6	Recommend a step-wise care plan for a case of poisoning or drug overdose.
	EO 6.5.7	Assess the patient's outcome in a case of poisoning or drug overdose.
	TO 6.2	Identify individuals who are potentially abusing medications.
	TO 6.3	When chemical dependency is known, recommend appropriate medications to prescribers or patients.
	TO 6.5	Design a patient care plan to manage poisonings or drug overdoses commonly seen in the practice environment.
Approach to Practice and Care (Ability)	TO 6.4	Provide educational materials or activities for health care providers and consumers on the prevention of substance abuse and chemical dependency.
	TO 6.6	Provide educational materials or activities for health care providers and consumers on poison prevention.
Personal and Professional Development (Attitude/Values)	TO 6.1	Adhere to professional practices that minimize the risk of substance abuse or chemical dependency by oneself.

Competency #7

Identify and pursue appropriate means for life-long personal and professional development.

Domains of Patient Care	Curricular Objectives	
Foundational Knowledge (Knowledge)	EO 7.1.2	Identify resources for obtaining information on a state's legal requirements for continuing pharmacy education.
	EO 7.1.3	Identify various pathways of continuing pharmacy education.
	EO 7.1.6	Identify primary, secondary, tertiary literature and on-line sources of information for meeting continuing education requirements.
	EO 7.1.7	State available career opportunities and options for postgraduate education.
	TO 7.1	Discuss the components of and resources for meeting the goals of professional development.
Essentials for Practice and Care (Skills)	EO 7.1.1	Discuss legal, practice-specific, and professional factors to consider when setting professional development goals.
	EO 7.4.2.2	Formulate a constructive evaluation of others' performance.
Approach to Practice and Care (Ability)	EO 7.4.2	Modify behavior to communicate effectively with faculty, staff, peers, patients, and other health providers.
	EO 7.4.2.1	Demonstrate skills of conflict resolution.
	EO 7.4.2.4	Formulate written communications with professional content and tone.
	EO 7.4.2.5	Demonstrate confidence in actions and communications.
	EO 7.4.2.6	Demonstrate skills of reasoning and judgment when communicating with peers, faculty, other health providers, and patients.
	EO 7.4.5	Differentiate appropriate interpersonal interactions to value age, culture, religion, ethnic origin, and gender.
	EO 7.4.6	Demonstrate regard for differing values and abilities among peers, other health care providers, and patients.
	EO 7.4.7.1	Demonstrate an attitude of service by putting others'

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	<p>EO 7.4.9.1</p> <p>EO 7.4.9.3</p> <p>TO 7.9</p>	<p>needs above one's own, volunteer.</p> <p>Describe the covenantal relationship between a pharmacist and patient.</p> <p>Relate to patients in a caring and compassionate manner.</p> <p>Comply with federal, state, University, College of Pharmacy, and institutional requirements regarding confidentiality of information.</p>
<p>Personal and Professional Development (Attitude/Values)</p>	<p>EO 7.1.4</p> <p>EO 7.1.5</p> <p>EO 7.2.1</p> <p>EO 7.2.2</p> <p>EO 7.2.3</p> <p>EO 7.2.4</p> <p>EO 7.3.1</p> <p>EO 7.3.1.1</p> <p>EO 7.3.2</p> <p>EO 7.3.2.1</p> <p>EO 7.4.1</p> <p>EO 7.4.2.3</p> <p>EO 7.4.3</p> <p>EO 7.4.4</p> <p>EO 7.4.7</p>	<p>Predict the most effective pathway to maintain professional development goals (professional growth, practice specialization, and professional networking).</p> <p>Compare and contrast the strengths of various professional associations for meeting specific continuous professional development goals.</p> <p>Discuss factors to consider when setting personal and professional development goals.</p> <p>Explain the types of personal development goals needed to balance one's personal and professional life.</p> <p>Discuss opportunities for mentoring others.</p> <p>Discuss opportunities for leadership in the community.</p> <p>Demonstrate leadership skills in the profession.</p> <p>Discuss the responsibility of the pharmacist to participate in professional associations.</p> <p>Demonstrate commitment to lifelong learning.</p> <p>Discuss the importance of commitment to life-long learning for the pharmacist.</p> <p>Modify behavior to engage appropriately in classroom, laboratory, and clinical settings.</p> <p>Display a positive attitude when receiving constructive criticism from faculty or peers.</p> <p>Show regard for persons in authority in classroom, laboratory, and clinical settings.</p> <p>Demonstrate dependability to carry out assignments.</p> <p>Act with honesty and integrity in academic matters and professional relationships.</p>

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EO 7.4.7.2	Demonstrate a desire to exceed expectations.
EO 7.4.8	Demonstrate appropriate judgment with regard to self-medication or promoting self-medication to others.
EO 7.4.9	Demonstrate professional interactions with patients.
EO 7.4.9.2	Identify instances when one's values and motivation are in conflict with those of the patient, patient's family, or health care organization.
EO 7.4.9.4	Demonstrate ethical standards related to pharmacy practice.
EO 7.4.10	Exhibit fitting behavior when representing the University of Georgia College of Pharmacy in extracurricular activities and professional meetings outside the College of Pharmacy.
EO 7.5.1	Adhere to established times for classes, laboratories, clerkships, and meetings.
EO 7.5.2	Comply with established verbal and written deadlines.
EO 7.5.3	Respond to requests (written requests, verbal questions, e-mails, telephone calls) in a timely fashion.
EO 7.5.4	Perform pharmaceutical care responsibilities in a timely manner.
EO 7.6.1	Modify dress appropriate to classroom, laboratory, clinical, and professional settings.
EO 7.6.2	Maintain personal hygiene and grooming appropriate to the academic or professional environment.
EO 7.10.1	Utilize time efficiently.
EO 7.10.2	Demonstrate the ability to prioritize activities effectively in classroom, laboratory, and clinical settings.
EO 7.10.3	Demonstrate self-direction in completing assignments.
EO 7.10.4	Demonstrate accountability for decisions.
EO 7.10.5	Demonstrate characteristics of lifelong learning.
TO 7.2	Discuss the components of and resources for meeting the goals of personal development.
TO 7.3	Accept responsibility for personal and professional development.
TO 7.4	Display professional behavior toward faculty, staff, peers, patients, and other health providers in the

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		classroom laboratory, and clinical settings.
	TO 7.5	Demonstrate punctuality in academic and professional environments.
	TO 7.6	Maintain a professional appearance when representing the College of Pharmacy.
	TO 7.7	Comply with student health requirements for working with patients in various health care environments.
	TO 7.8	Maintain appropriate records (e.g., intern license, CPR certification, immunizations, insurance skills) to demonstrate professional competence.