UNMC COLLEGE OF PHARMACY  
ADVANCED PHARMACY PRACTICE EXPERIENCE SYLLABUS  
(December 2014, Approved February 2015)

COURSE TITLE: Long Term Care Pharmacy at Community Pharmacy Services Advanced Pharmacy Practice Experience (APPE)

COURSE NUMBER: PHPR 786-01

CREDIT HOURS: 4 semester hours

CLOCK HOURS/WEEK: 40 NO. OF WEEKS: 4

REQUIRED/ELECTIVE: This APPE may serve as an Elective

PREREQUISITES: P-4 standing and registration as an intern with the Nebraska Department of Health & Human Services.

DESCRIPTION: To provide student an insight into how a Long-Term Care Pharmacy operates to care for SNF, ALF and Special Needs patients, with special focus into the roles of the Pharmacist and Consultant Pharmacist in this setting.

INSTRUCTORS: Kyle Janssen, Pharm.D., RP  
Mackenzie Farr, Pharm.D, RP

COURSE OBJECTIVES:

At the completion of the practice experience the student shall be able to:

1. Describe and demonstrate the different roles and activities of a pharmacist in a long-term care pharmacy.
2. Demonstrate knowledge of drug information.
3. Package and dispense medications in different package types as appropriate for different patient populations.
4. Evaluate the unique characteristics of patients and patient populations.
5. Demonstrate ethical and professional behavior in all practice activities.
6. Demonstrate effective communication abilities.
7. Demonstrate a basic understanding of pharmacy principles

PROGRAMMATIC OUTCOMES:

See PHPR 786-01 Long Term Pharmacy at Community Pharmacy Services APPE Core Competencies document, attached as Appendix A.

INSTRUCTIONAL METHODS:

Instructional methods may include, but not be limited to, self-study, observation, problem solving, discussions with instructors, and a presentation. In addition to this, students will be expected to assist in filling medications for cycle fill, daily fill, and replenishing emergency boxes. Students will also be expected to acceptably complete chart reviews during their time spent at the facilities with the Consultant Pharmacist.
ASSESSMENT MEASURES:

Student's performance will be assessed in each category applicable to the rotation based upon the skills and knowledge demonstrated during the rotation; expectations may vary depending on the timing of the rotation during the rotation year (e.g., higher expectations during later rotations). The student will be evaluated at mid-rotation and at the end of the rotation using forms provided in Appendix B (which may include additional criteria as defined by specific rotations).

Mid-rotation evaluation: The preceptor will complete an evaluation of the student at mid-rotation, and the student is required to complete a self-assessment. The preceptor and student will meet to discuss these performance assessments.

The preceptor will notify the Director of Experiential Programs in cases where students are not progressing to satisfactory levels and are at significant risk of being unable to successfully complete the rotation.

Final evaluation: At the conclusion of the rotation, the preceptor will complete the final evaluation, and the student is required to complete a self-assessment. The preceptor will interact with the student in exit interview to discuss final grade.

GRADING METHODS:

Grading for this APPE is Pass/Fail/Honors:

Pass = Student meets or exceeds expectations
Fail = Student does not meet expectations
Pass with Honors is a grade assigned by a review committee within the Office of Experiential Programs (OEP) to not more than 20% of students completing Non-Direct Patient Care APPE rotations in a given semester. The OEP review utilizes the preceptor assessment forms and written justification of the honors recommendation. Pass with honors recommendations by preceptors should not be discussed with students at the time of the final rotation grading meeting; the student should only be instructed that they have passed or failed the rotation.

INSTRUCTIONAL OBJECTIVES:

1. Describe the role of the pharmacist in a Long-Term Care Pharmacy setting.
   The student shall be able to:
   - Describe how pharmacists provide pharmaceutical care in the Long Term Care pharmacy setting as evidenced by discussions and interactions with the preceptor and other pharmacists.
   - Discuss the commitment of the Pharmacist to patients and facilities, to ensure that the pharmacy provides the best possible care at all times.

2. Demonstrate knowledge of drug information.
    The student shall be able to:
    - Demonstrate knowledge of and accept responsibility for the proper utilization of commonly used drugs, devices, formulations, and products.

3. Package and dispense medication in different package types as appropriate for different patient populations.
   The student shall be able to:
   - Prepare and dispense medications in various packaging systems in accordance with facility and patient needs and preferences.
4. Evaluate the unique characteristics of patients and patient populations to assess appropriateness of therapies.
   The student shall be able to:
   - Correlate drug and patient related variables to identify and assess drug related problems, especially those prominent in the geriatric population.

5. Demonstrate ethical and professional behavior in all practice settings.
   The student shall be able to:
   - Demonstrate knowledge of and sensitivity toward the unique characteristics of each patient.
   - Comply with all federal, state, and local laws related to the practice of pharmacy.

6. Communicate effectively in all practice settings.
   The student shall be able to:
   - Demonstrate effective communication abilities with patients, prescribers, care givers, and other health care providers.

7. Demonstrate a basic understanding of pharmacy principles.
   The student shall be able to:
   - Effectively participate in discussions and complete assessments describing the proper use of pharmacists and support personnel in the long-term care setting to maximize efficiency and productivity.

COURSE OUTLINE:

Recurring activities:
1. Students will at times work independently on the project agreed upon by the preceptor and student.
2. Students will spend time rounding with a consultant pharmacist, completing chart reviews, drug regimen reviews, and medication cart and room inspections in an efficient and timely manner.
3. Students will spend the first week of the rotation completing in-house mandatory all staff training. This will include time spent with various departments including, but not limited to, cycle fill, daily fill, emergency boxes, returns, medical records, data entry, and triage. This will assist in better understanding of how a long-term care pharmacy operates.

Activities by individual week:
Week 1: Orientation, introduction to the team, mandatory all staff training with various departments
Week 2: Topic for presentation, data entry observation, triage observation, mid-term evaluation.
Week 3: Facility visit with consultant, in-house pharmacist observation days, independent time to work on project
Week 4: Discussion of pharmacy management, observation of billing process, student presentation, and final rotation evaluation.
Appendix A

PHPR 786-01 Long Term Care Pharmacy at Community Pharmacy Services

Core Competencies

(December 2014, Approved February 2015)

Outcomes and competencies from the University of Nebraska College of Pharmacy Doctor of Pharmacy (PharmD) Program Learning Outcomes and Competencies that will be addressed in this course.

I. PHARMACEUTICAL CARE. Provide pharmaceutical care in cooperation with patients, prescribers, and other members of an interprofessional health care team based upon sound physical, chemical, biological, and therapeutic principles and evidence-based data, taking into account relevant legal, ethical, social, economic, and professional issues, emerging technologies, and evolving biomedical, sociobehavioral, and clinical sciences that may impact therapeutic outcomes.

A. Provide patient-centered care

2. Applied competencies

a. Retrieve, analyze, and interpret the professional, lay, and scientific literature to provide drug information to patients, their families, and other involved health care providers

1) Maintain awareness of evidence-based information resources, and use principles of evidence based medicine to assess information needs, formulate focused queries, acquire the best available evidence, evaluate the evidence and communicate it to the appropriate individuals

2) Identify and regularly utilize information resources that enhance the pharmacist’s understanding of stakeholder viewpoints, beliefs and attitudes

3) Provide information regarding disease prevention and detection

4) Provide information regarding prescription medications and products

5) Provide information regarding non-prescription and herbal products

6) Provide information regarding non-drug therapies

b. Design, implement, monitor, evaluate, and adjust pharmaceutical care plans that are patient-specific and evidence based which ensure effective, safe, and economical care

1) Maintain awareness of evidence-based information resources and use principles of evidence based medicine to assess information needs, formulate focused queries, acquire the best available evidence, evaluate the evidence, and apply clinical expertise in using the evidence in providing patient-centered care

2) Compile and evaluate patient-specific information

3) Recommend medications and/or laboratory tests in accordance with established standards of practice and available clinical data

4) Select the appropriate dosage form, formulation, administration, and/or delivery system for specific drug entities, and assess existing dosage schedules and recommend modifications based on sound pharmacokinetic and therapeutic principles

c. Evaluate drug orders or prescriptions, accurately and safely compound drugs in appropriate dosage forms, package and dispense dosage forms to meet specific
patient care needs, and provide proper advice regarding dosage form factors which influence drug stability, drug release, drug absorption and bioavailability

e. Demonstrate the ability to practice within a selected patient care setting within state and federal pharmacy regulations

1) Label and package a selected dosage form according to state and federal laws

B. Provide population-based care

2. Applied competencies

b. Prepare and deliver educational programs to health professionals, patients, and other stakeholders in health care systems regarding drug therapy, accessing drug therapies via health insurance including prescription insurance, and navigating the health care system
f. Communicate and collaborate with pharmacy colleagues, prescribers, population members, caregivers, and other involved health care providers to engender a team approach to patient care.
h. Carry out duties in accordance with legal, ethical, social, economic, and professional guidelines
i. Maintain professional competence by identifying and analyzing emerging issues, products, and services that may impact population-based therapeutic outcomes

II. SYSTEMS MANAGEMENT. Manage and use resources of the health care system, in cooperation with patients, prescribers, other health care providers, and administrative and supportive personnel, to promote health, provide, assess, and coordinate safe, accurate, and time-sensitive medication distribution, and to improve therapeutic outcomes of medication use

B. Manage medication use systems

2. Applied competencies

a. Manage the drug distribution system

1) Design, select, implement, and/or manage drug distribution systems for various practice settings
3) Manage systems for storage, preparation, and dispensing of medicines

b. Assure the quality of drug products

3) Ensure that drug products are stored under appropriate conditions
5) Ensure that products are delivered to patients in a timely, safe, efficient, and ethical manner
6) Ensure the security of the drug product inventory

e. Assess and improve medication use quality

1) Identify medication errors and adverse drug reactions and report them to appropriate individuals and organizations