PHA 599: Clinical Research Advanced Pharmacy Practice Experience

Learning Contract

Wilkes-Barre General Hospital
Wilkes-Barre, PA

CONTACT INFORMATION

Preceptor

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CLERKSHIP DESCRIPTION

The clinical research advanced pharmacy practice experience is an elective rotation that exposes the student to various aspects of hospital-based clinical pharmacy research. This will include developing a research hypothesis and study methods, drafting an institutional review board proposal, gathering clinical data, statistical analysis of clinical data, submission of a meeting abstract and development of a poster, and drafting a research paper. Additional opportunities may include collection of observational patient data, participation in other ongoing prospective research investigations and attendance of various meetings and conferences. During the clerkship students will have the opportunity to collaborate and interact with various health-care professionals in several clinical settings.

This clerkship is a 5-week clerkship with a minimum requirement of 40 hours per week of clerkship related work. Most of this work should be conducted at the clerkship site. However, some work may need to be conducted away from the clerkship site as necessary (e.g. Pharmacy Information Center, Farley Library, etc).

Development and utilization of the following skills will be emphasized throughout this clerkship: communication, time management, organization, drug information, literature evaluation, statistical analysis, and writing.

EDUCATIONAL OUTCOMES

1.1. Learner (Learner) - Develop, integrate, and apply knowledge from the foundational sciences (i.e., *pharmaceutical*, *social/behavioral/administrative*, and *clinical sciences*) to evaluate the scientific literature, explain drug action, solve therapeutic problems, and advance population health and *patient-centered care*.
1.1.3 Value the pursuit, learning, and retention of foundational sciences to explain how drugs affects patient and population health

2.4. Population-based care (Provider) - Describe how *population-based care* influences *patient-centered care* and influences the development of practice guidelines and evidence-based best practices.
2.4.3 Utilize quality measures as a means to provide public health services

3.1. Problem Solving (Problem Solver) – Identify problems; explore and prioritize potential strategies; and design, implement, and evaluate a viable solution
3.1.1 Discuss a systematic process to solving a problem
3.1.2 Demonstrate that systematic process to solve a problem
3.1.3 Reflect on ability to approach and resolve problems

3.2. Educator (Educator) – Educate all audiences by determining the most effective and enduring ways to impart information and assess understanding
3.2.2 Educate patients, caregivers, colleagues, and stakeholders

3.3. Patient Advocacy (Advocate) - Assure that patients' best interests are represented.
3.3.1 Advocate, develop and participate in programs to improve public health outcomes.
3.3.2 Apply ethical principles in the conduct of human subject research.

3.4. Interprofessional collaboration (Collaborator) – Actively participate and engage as a healthcare team member by demonstrating mutual respect, understanding, and values to meet patient care needs.
3.4.1 Describe the patient care services provided by other healthcare providers (learn about)

3.6. Communication (Communicator) – Effectively communicate verbally and nonverbally when interacting with an individual, group, or organization.
3.6.1 Communicate effectively with patients and healthcare providers using a structured approach
3.6.3 Use interpersonal skills to build trusting relationships

4.4. Professionalism (Professional) - Exhibit behaviors and values that are consistent with the trust given to the profession by patients, other healthcare providers, and society.
4.4.1 Describe characteristics of a healthcare professional
4.4.3 Demonstrate social responsibility and global citizenship through the provision of health related services to society

CLERKSHIP LEARNING OUTCOMES

- Communicate both verbally and nonverbally with other health care professionals about clinical research.
- Conduct literature searches to help guide current and future clinical research proposals.
- Analyze the medical literature and extrapolate the information into ongoing and future clinical research.
- Develop a research hypothesis along with study methods.
- Identify the data necessary to research the study hypothesis.
- Write an institutional review board proposal.
- Analyze clinical data in order to draw conclusions about a study hypothesis.
- Submit an abstract and complete a poster for presentation at a professional meeting.
- Write a paper describing the findings of the research conducted during the clerkship.

DAILY ACTIVITIES/RESPONSIBILITIES

The typical daily activities and responsibilities will vary throughout the clerkship. Students should generally not begin clerkship related work later than 0900 nor complete their work for the day before 1700 without specific permission from the preceptor. Failure to adhere to these minimum standards is grounds for course failure.

Patient Contact

Students may have various types of patient contact throughout the clerkship depending on the type of research being conducted. This can range from simple patient observation, to conducting patient interviews to gathering further patient information.

Meetings and Conferences

Attendance at noon conference, Grand Rounds and other conferences/meetings as assigned by the preceptor is required.

Topic Discussions

Preparation and participation in various topics discussions will be required throughout the clerkship as assigned by the preceptor.

ADDITIONAL INFORMATION

Plagiarism

See the APPE manual for a definition. **If you are unsure of what constitutes plagiarism discuss it with the preceptor immediately.** Using the words or ideas of another, even if referenced or done unintentionally, may be considered plagiarism. Plagiarism of any kind is grounds for project and/or course failure in addition to other penalties as outlined in the Pharmacy Student Handbook.

Internet Use

Use of the internet at the rotation site for purposes other than patient care and clerkship or school related activities is strictly prohibited. Any such use will result in immediate expulsion from the clerkship site and failure of the clerkship.

Photocopying and Printing

- **DO NOT** use the PIC printer as a photocopy machine (no multiple copy printing)!
- Do not print articles or handouts using the PIC printer, unless necessary. **Be aware of the length of articles you do wish to print.**
- Judicious use of the photocopy machine at the clerkship site is permitted for rotation related materials.
- Judicious use of the printers at the clerkship site is permitted, but they are not to be used as photocopiers (no multiple copy printing).
- All other printing and copying costs are the responsibility of the student.

Phone Use

The phones at the clerkship site are only to be used for calls pertaining to patient care and clerkship or school related activities. Any other use is strictly prohibited. The phones are not to be used to place long-distance calls unless authorization has been given for the specific call by the preceptor or appropriate member of the clerkship site.

Parking

Students are provided with a Wilkes parking pass(s) to allow on-campus parking during the clerkship. These passes are entrusted to the student to facilitate commuting between the site and the university. Be aware:

- Parking passes are the student's responsibility. Financial penalty for lost passes are the responsibility of the student.
- Students will NOT share the pass with others.
- Students are fully responsible for any financial or other loss due to parking on campus.
- Evaluations will not be released until parking passes are returned at the end of the rotation.

Hazardous Weather Policy

The hazardous weather policy for the School of Pharmacy as it pertains to clerkships can be found in the APPE manual. In addition to this policy any compressed schedule, delayed start or other change in the University's schedule for the day due to hazardous weather will also apply to the clerkship schedule for that day. This policy addition does not apply to any changes in the University's schedule for reasons other than hazardous weather. For up-to-date information on the University's schedule call (570) 408-SNOW.

GRADING

Grading for this clerkship is pass/fail and will be based on the applicable guidelines for this clerkship found in the APPE Student manual. The majority (approximately 60%) of an evaluation will be based on the outcomes related to research knowledge and skills and professionalism. The remainder of the clerkship evaluation will be based on any additional projects and assignments.

EVALUATIONS

The preceptor will provide student feedback on an ongoing basis, with formal written/oral evaluations performed at the approximate midpoint and at the end of the clerkship experience. Students may be required to perform self-evaluations.

- Extreme non-professionalism is grounds for failure of the clerkship.
- Late assignments may result in a zero for that assignment.
- A reduction in the final course grade will occur if, upon review of documentation, it is noted that the student has not completed assignments in an appropriate manner.

DISCLOSURE

I have received the internal medicine learning contract and reviewed the assessment methods with my preceptor. I understand all methods by which I will be assessed in this clerkship.

I understand all patient data reviewed or discussed during the clerkship must be kept confidential. Cases should only be discussed with the preceptor or members of the health care team. Any breach of patient confidentiality, however minor, will result in failure of the clerkship (i.e. discussions in the cafeteria or with "friends" working at the institution).

My preceptor has reviewed my portfolio and is aware of my performance in previous clerkships.

_____   _____
Student Name (please print)   Date

_____   _____
Student Signature   Date

_____   _____
Preceptor Signature   Date