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Pharmacy Practice Experience Rotation Schedule 2022-2023

Cycle 1 (5/23/2022-6/24/2022) Memorial Day - May 30th

- (IPPE Rotations End 6/17/22)

Cycle 2 (6/27/2022-7/29/2022) Independence Day - July 4th

- (IPPE Rotations End 7/22/22)

Cycle 3 (8/1/2022-9/2/2022)

- (IPPE Rotations End 8/26/22)

Cycle 4 (9/5/2022-10/7/2022) Labor Day - Sept 5th

Cycle 5 (10/10/2022-11/11/2022)

Cycle 6 (11/14/22-12/16/22)

- ASHP Midyear Clinical Meeting - Las Vegas, NV - December 4th-8th 2022

*For this academic year, we will consider and support of preceptors' decisions in allowing students 3 or 4 days for the ASHP meeting that will take place in Las Vegas, Nevada. Some students may need the extended time to present posters/publications. Therefore, cycle 6 rotation will end based on a determined date set by the faculty or adjunct preceptor after a personal discussion takes place and is agreed upon by the faculty/adjunct preceptor and the student. Faculty and preceptors will determine the number of hours considered to be interchangeable and appropriate with rotation hours. For students not attending ASHP Meeting, cycle 6 ends as scheduled on Dec. 16th.

Cycle 7 (1/2/2023-2/3/2023)

Cycle 8 (2/6/2023-3/10/2023)

Spring Break: 3/11/2023 - 3/19/2023

Cycle 9 (3/20/2023-4/21/2023)

- APhA Annual Meeting - Phoenix, AZ - March 24th-27th 2023

EMSOP P4 Prep Week: 4/24/2023 - 4/28/2023 - Professional Reflection Week on campus

****Holidays & ANY absences****

• **Students are instructed to have personal discussions with their preceptor on schedule conflicts**

• **Students are not to assume they are NOT to report to an assigned rotation site on a specific**

holiday date and must notify their preceptor and the School of Pharmacy of ANY absences as per the EMSOP Absence Policy

• **Any missed time from rotation is expected to be made up so as preceptor may sign off for IPPE 160 hours, APPE 200 hours for rotation.**

POST-ROTATIONAL EVALUATION AND PREPARATION (PREP) SEMINAR

By: Peter Kim, PharmD Candidate 2022

The past six years of pharmacy school have undoubtedly been more a marathon and not a sprint. I can recall countless late nights—fueled by multiple cups of coffee that altogether exceed the daily recommended intake—studying for therapeutic exams, preparing journal clubs, and tackling nine rotations that span community, hospital, and industry pharmacy. However, there are two final hurdles pharmacy students must conquer to finally cross the finish line and practice pharmacy—licensure exams.

The thought of taking for the NAPLEX and MPJE has lingered in the back of my mind throughout my time in pharmacy school. And as I finish up my final weeks of my last rotation, the NAPLEX and MPJE presents as a daunting reality as I never realized the intensity of the exams. To put things into perspective, the exam crams four years of pharmacy school or over 900 pages of the RxPrep course book into 250 questions all within a six-hour time limit. Unlike some pharmacy exams in which cramming was somewhat acceptable, I believe passing the NAPLEX requires substantial preparation in advance.

At the start of cycle 7, the Class of 2022 has had the opportunity to pilot a new, hybrid format of the **Post-Rotational Evaluation and Preparation (PREP) Seminar**, a course designed to reinforce pharmacy students' preparation for the licensure exams. It is broken down into three course components: longitudinal (cycles 7-9), 3-day, and in-person law review. We are currently in the later phases of the longitudinal course, attending virtual live review sessions of core content areas such as oncology, infectious diseases, pediatrics, gastrointestinal-hepatic-nutrition, neurology, psychiatry, pulmonology, cardiology, endocrinology, and nephrology. The sessions are taught in a similar fashion to therapeutics courses, with a strong emphasis on key points and clinical pearls commonly tested on the NAPLEX. Additionally, the

sessions are supplemented with pre- and post-assignments consisting of NAPLEX practice questions.

Engaging in the review sessions has been a beneficial refresher for determining what I need to brush up on for when I begin my NAPLEX marathon study sessions. Specifically, I found the practice questions in and outside the review sessions helpful for understanding the scope of the types of questions that will be asked on the exam. Those include patient case, select all that apply, calculation, and drug information questions. The best “pro tip” I have repeatedly received from pharmacists and preceptors is to continually practice sample questions for the NAPLEX. I believe having months of early exposure to these questions during the longitudinal portion of the PREP Seminar has given me the confidence for what to expect when I enter the exam room.

As the final chapter of pharmacy school comes to an end, I look forward to the 3-day course review in which we will not only further strengthen our knowledge in core content areas, but also touch upon topics such as study design, statistics, compounding, USP, immunizations, and OTCs. Additionally, the in-person law review will be the last time the Class of 2022 and faculty will be together once again in the EMSOP building after two years in the virtual environment. Though this is a bittersweet moment, I look forward to returning to the halls of the atrium and seeing my classmates and professors for one last lecture.

Overall, I believe the PREP Seminar has been a great addition to my final year of pharmacy school and rotational experience. I would like to thank the course coordinators and twenty-four course faculty for their continued support in preparing the future generation of pharmacists for success and beyond. Thank you for making our big class of roughly two hundred feel small by promoting such a positive and engaging learning environment that includes each and every one of the students!



IMPACT AND IMPORTANCE OF INTERPROFESSIONAL EDUCATION (IPE)

By: Jonathan (Jack) Kissam and Lois Ko PharmD Candidates 2022

Intro:

The World Health Organization states interprofessional education (IPE), “occurs when two or more professions (students, residents and health workers) learn with, about, and from each other to enable effective collaboration and improve health outcomes.” IPE allows students from different fields with different perspectives to come together in a collaborative environment. This is important because once students graduate and enter the workforce, they will be expected to work in an interdisciplinary team. IPE provides exposure to the interprofessional setting that is vital for students within healthcare to experience for their professional growth.

What makes IPE so special is its ability to expose students to various healthcare perspectives and provide them with a concrete understanding of how healthcare functions from all angles. Megan Maroney, PharmD, BCPP, is a clinical associate professor and co-chair of the IPE committee at the Ernest Mario School of Pharmacy (EMSOP). Dr. Maroney highlights the importance of IPE in which, “we are so used to teaching health profession students in silos, where pharmacy students only interact with pharmacy students, medical students with medical students, etc., particularly in the early part of their training, but all of a sudden we expect them to be able to function as interdisciplinary teams in the clinical setting. That is why IPE is so important, that students really learn from, with, and about each other to better understand what everyone brings to the table and how we can best work together to care for our patients”. It is important to continue to encourage students to participate in IPE and to take advantage of IPE as an opportunity to optimize their growth and development as health professionals.

To learn more about the impact of IPE, we interviewed two PharmD candidates at EMSOP, Lois Ko and Jack Kissam. Lois is a P4 student who strives to impact and innovate patient health and aspires to pursue a career in the pharmaceutical industry. Jack is also a P4 student who hopes to continue his education by pursuing a residency with a focus on oncology. Here are their thoughts.

Students' Reflection:

What was your biggest takeaway from attending IPE?

- a. My biggest takeaway from IPE was that providing optimal healthcare cannot be done by an individual. It is a team effort, with each person having different strengths and weaknesses, and together we were able to provide the best care. - Jack

How was your experience working and interacting with students outside of your practice?

- a. I feel IPE is the main opportunity we as students get to collaborate and interact with other health profession students. Not only were we able to share our common passions for healthcare, but we were also able to learn from each other's different expertise and backgrounds to optimize patient care. IPE allowed us to collaborate with other students outside of our practice that we will definitely interact with in the healthcare setting. I am thankful IPE gave me the opportunity to work with other students from other fields and realize that each of us brings equally important value to the healthcare team. - Lois

What is the importance of IPE as a student pursuing a career within healthcare?

- o It is important because we will be working in an interdisciplinary environment. We do not practice in a bubble of our own, we have to work with doctors, nurses, and many other healthcare professionals. This is true for any pharmacist no matter which field they are in. IPE helps us to develop the skills needed to work effectively in this environment. - Jack

How did attending IPE impact your learning within your professional career?

a. IPE impacted my learning as a pharmacy student because it helped me understand how to treat a patient from all angles. IPE also made me aware of how each health professional works and how there is always opportunity to learn from one another. Especially after attending the Medication Error IPE event, I learned that medication errors can occur in any practice and how we as pharmacists can help prevent medication errors within the healthcare system. IPE showed how different yet essential each of our responsibilities are within healthcare and how we can all effectively work together to provide the best care for patients. - Lois

What were you able to contribute to the healthcare team as a pharmacy student?

a. As a pharmacy student, I was able to contribute my knowledge on medications. We were discussing a medication error that involved concentrated heparin. The other students knew of this drug, but not the process of how it was prepared. I was able to explain the safety precautions put in place within the pharmacy regarding concentrated heparin. - Jack

Did your thoughts of IPE change after participating in IPE?

a. Initially when I saw we were required to participate in an IPE event I was annoyed. As students there are many requirements we need to meet, and I didn't understand the importance of IPE. However, after participating I did realize why IPE is required. To properly treat a patient, there are so many healthcare providers involved and it is important we understand each other. I was able to see the unique skills and perspective the different professions were able to provide. - Jack

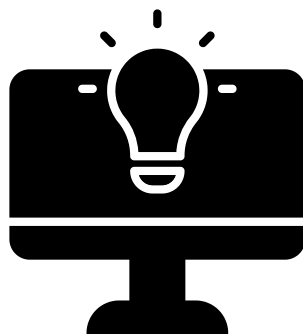
How can you apply what you learned from IPE in the future as a pharmacist?

a. I believe IPE greatly prepared me for my future as a pharmacist. As a pharmacist in any area of practice, I believe one will be bound to interact with other healthcare professionals. Therefore, it is so important for pharmacy students to build their communication and teamwork skills early on in their careers. As I aspire to pursue a career within the pharmaceutical industry, I understand that there will be many instances in which I will be working in an interprofessional setting. However, I know I will be well prepared for that setting by utilizing my interdisciplinary skills that IPE has strengthened. - Lois

Would you participate in IPE again and why?

a. Yes, I would definitely participate in IPE again and I look forward to the next IPE I am attending this semester. IPE helped me understand how patient care works from all angles and perspectives by working in an interprofessional environment. What was most rewarding about attending IPE, was being surrounded by and collaborating with health profession students who each shared the common goal to impact patient health. - Lois

At EMSOP, pharmacy students are required to attend at least one IPE during each professional year (P1-P4). Due to the current coronavirus disease 19 (COVID-19) pandemic, many IPE opportunities are being hosted and planned for P4 students to attend remotely this year. As P4 students are currently completing their Advanced Pharmacy Practice Experiences (APPE) rotations, it is important to remember these students will be attending IPE at some point during rotations. A kind reminder to plan accordingly with APPE students to ensure they are able to fulfill both requirements of IPE and APPEs as each are essential to our students' development as pharmacists.



(STILL) WORKING FROM HOME – A PHARMACY STUDENT’S PERSPECTIVE

By: Alexandra Nikolovski, PharmD Candidate 2022

After the coronavirus flipped the world upside down 2 years ago, we all had to adjust to the loss of many everyday things that we previously took for granted. A major change that we had to adapt to was remote learning and working from home. As we moved into isolation, classes became recorded videos rather than live lectures and work was conducted from our bedrooms in zoom calls rather than office meetings. As APPE students, online rotations became the norm for many, which proved to be a difficult transition. Our preceptors have worked tirelessly to make this transition as seamless and painless for us as possible, but certain aspects of in-person experiences cannot be moved online.

Last year during rotation selection, I had ranked the Novartis Regulatory Affairs neuroscience division at the top of my list for my APPE general elective since I was eager to learn more about the pharmaceutical industry, and I was disappointed to learn that the rotation would be entirely remote with no opportunities to come into the office in-person. Working on my laptop in my bedroom from 9 to 5 became a tiresome day-to-day routine. Being confined to one space with nobody to interact with was not only isolating, but mind-numbing.

My preceptor at Novartis, Dr. Amita Jain, was in her second year of fellowship and took several measures to make the most out of my rotation experience despite being remote. She made sure to check up on me every day to see how my projects were progressing and if I had any questions or concerns. She also provided me with a list of Novartis fellows and their contact information and encouraged me to set up 1-on-1 meetings with them to be able to make connections and learn first-hand what the fellowship experience is truly like across different fields. I was able to ask the fellows questions about what their role looks like on a daily basis, why they chose that specific role, and many other questions in order to help myself determine if a fellowship was right for me.

Along with various small projects regarding FDA guidance for ongoing clinical trials, I was assigned a long-term project of a label mock-up for a Novartis investigational drug which was very useful to gain insight into the process and the information that goes into a drug monograph. I was also able to attend various company meetings and present a topic of my choice to a wide variety of Novartis employees. I chose to research the rising use of antidepressants during the pandemic and being able to give this presentation helped sharpen my presenting skills and make more connections.

As exciting as it was to have the opportunity to give a presentation to Novartis employees, create a mock drug monograph, and connect individually with fellows that work in many different fields, not being able to interact with anyone face-to-face and working from home inevitably subtracted from my rotation experience. Preceptors and students alike have shown great resilience during the pandemic and have worked together to make APPE rotations as enriching as possible. We have come a long way from 2 years ago by finding more ways to interact virtually, but my hope is that future pharmacy students are given the opportunity to attend all of their rotations in-person. Only then will we truly be “back to normal.”



RUTGERS PHARMACY RESEARCH DAY: A KNIGHT SCHOLAR PERSPECTIVE

By: Alyssa Elicone, PharmD Candidate 2022

At Rutgers Pharmacy Research Day on Wednesday, April 20th, mounted posters lined the atrium at the Ernest Mario School of Pharmacy. The energy in the room was exciting as students, residents, fellows, and faculty showcased their research at this in-person event on campus. Pharmacy Research Day is a time to highlight the ongoing administrative, basic, translational, and clinical research at the Ernest Mario School of Pharmacy. Many of the posters featured at the event were authored by both new and experienced researchers collaborating as co-investigators, highlighting EMSOP's emphasis on mentoring the next generation of researchers.

Knight Scholar student research represented roughly twenty-eight percent of the posters in the room at Pharmacy Research Day. The Knight Scholar program takes place during APPEs in a single health system at one of nine hospitals across New Jersey. One key component of the Knight Scholar program is a longitudinal research project that students act as the primary author on. Knight Scholars are asked to present their research at national conferences so for students considering research as part of their career post-graduation, the program is quite attractive. As a prospective PGY-1 resident, the research component of the Knight Scholar program certainly drew me to apply. It can often be difficult to accomplish clinical research independently as a student, but the Knight Scholar program is led by Rutgers clinical faculty who can support students' ability to conduct research at their respective health systems. Through their research, students learn how to efficiently collect data, design statistics sections, depict results visually, gain Institutional Review Board approval, and discuss their research at various forums.

During his opening remarks at Pharmacy Research Day, Dr. Toscani asked how many people were presenting their first research poster. A handful of arms raised, but he smiled as he encouraged everyone that regardless of their amount of research experience, to let today to be the start of lifelong career in research. I know that the Knight Scholar program has certainly inspired me to continue conducting research both as a PGY-1 resident and throughout my career. I am looking forward to teaching and supporting other students in their research endeavors as this program did for me.



The flyer is a vertical rectangular graphic with a white background and a red vertical bar on the left side. At the top right, the Rutgers University logo is displayed. The main title 'RUTGERS PHARMACY RESEARCH DAY' is centered in a large, bold, black serif font. Below the title, the date 'APRIL 20, 2022' is listed. A section titled 'ABOUT' provides a brief description of the event. A 'DETAILS' section lists key information: the poster presentation time (4:30-6:00 PM), the location (Ernest Mario School of Pharmacy, 160 Frelinghuysen Road, Piscataway, NJ), and the opportunity to learn about administrative, basic, translational, and clinical research. A QR code is provided for more information. The bottom section, 'FOR MORE INFORMATION', includes contact details for Dr. Carolyn Seyss.

RUTGERS
PHARMACY
RESEARCH DAY

APRIL 20, 2022

ABOUT

Posters will be presented from 4:30-6:00 PM at Ernest Mario School of Pharmacy, 160 Frelinghuysen Road, Piscataway, NJ

Provides a great opportunity to learn about the administrative, basic, translational, and clinical research conducted by PharmD students, fellows, residents, graduate and Ph.D students

DETAILS

- In-Person Event
- Open to the Rutgers Pharmacy community
- All attendees must provide proof of vaccination or negative PCR test from a test taken no more than 72 hours before the event

FOR MORE INFORMATION
Please contact
Dr. Carolyn Seyss
Carolyn.Seyss@pharmacy.rutgers.edu

SCAN QR CODE TO VIEW THE PROGRAM