May 19, 2018

To: Terri Warholak, PhD, RPh, CPHQ, FAPhA  
   Assistant Dean-Designate, Academic Affairs and Assessment, College of Pharmacy

From: Jeannie K. Lee, PharmD, BCPS, BCGP, FASHP  
   Chair, Curriculum Committee (CC), College of Pharmacy

RE: End of the Year Report, 2017-2018

The 17-member committee including faculty from both departments, staff, and 3 student representatives met monthly (more often by subcommittees) from June 2017 to May 2018. We met throughout the summer months to facilitate approval and implementation of PharmD Forward Curriculum.

**Our goals included:**
1. PharmD Forward Curriculum development and transition planning
2. Faculty education and buy-in of PharmD Forward Curriculum leading to approval
3. Evaluation and approval of course changes and new courses
4. AACP/ACPE survey monitoring and report to ACPE
5. Collaboration with the Assessment Committee, Technology in Teaching Committee, and Center for Transformative InterProfessional Healthcare (CTIPH) as necessary
6. Educational programs and resources for faculty and students
7. Ensure curriculum responsiveness to contemporary and emerging professional roles of pharmacists

**This year’s CC accomplishments are summarized below.**

Established CC team norm and champions of each charge/goal at the beginning of the year. Each CC faculty member served as a champion of at least one charge/goal, and many served on several subcommittees to successfully accomplish our goals. Per CC charge, member attendance at each meeting was tracked with no concerns and absences excused.

(1) **PharmD Forward Curriculum development and transition planning**
   - Conducted numerous meetings to work out proposed modifications and combined courses added to the approved PharmD Forward Curriculum structure: (1) some departmental changes, (2) courses merging to ease student burden, and (3) course name changes (with course coordinator approval).
     - Major changes included:
       - Clinical Pathophysiology I became PCol course (from PhPr)
       - Medical Microbiology became PhPr course (from PCol)
       - Immunology and Hematology course became Clinical Pathophysiology II
       - Calculations course was folded into Calculations, Compounding & Dispensing
       - PhPr 822 Cases course was folded into Pharmacotherapeutics II
       - Chemistry of Infectious Disease course was folded into Pharmacotherapeutics IV
       - Multiple course names changed to better reflect contents taught
   - Developed Pharmacotherapeutics Content Sequence to be used by coordinators of Clinical Pathophysiology, Pharmacology, Medicinal Chemistry, Pharmacotherapeutics, etc.
- Participated in the Dean’s Innovations Ad Hoc Committee on developing dual-degree and certificate programs to increase options for COP students.
- Discussed PharmD Forward Certificates with Dr. Hall-Lipsy with Dr. Kennedy as CC Champion for the initiative.
- Initiated Therapeutic Team meeting involving course coordinators and major teachers in Pharmacotherapeutics series and capstone course to foster consistencies among the courses (e.g., session format, testing styles, etc.)
- Discussed course remediation for students in the current curriculum, while transitioning to PharmD Forward curriculum.
- Identified Curriculum Semester Champions:
  - Fall 2018: Dr. Kennedy
  - Spring 2019: Dr. Ladziak
  - Fall 2019: Dr. Katz

(2) Faculty education and buy-in of PharmD Forward Curriculum leading to approval
- Presented PharmD Forward Curriculum and modifications to faculty during college meetings and retreats.
- Presented PharmD Forward Curriculum and changes from the current curriculum to the Graduate Executive Review Team and received approval
  - Appendix A: COP CC Letter to Grad Exec Review Team
  - Appendix B: PharmD Forward Curriculum Summary of Changes
- Presented transition status to PharmD Forward Curriculum at Department meetings for both Pharmacy Practice & Science and Pharmacology & Toxicology.

(3) Evaluation and approval of course changes and new courses
- Reviewed and updated the enrollment requirements in July 2017.
- Recommended S/P/F grading system in Core Elm for experiential education evaluation – implemented in May 2018.
- Reviewed and approved the following courses throughout the year:
  - *Pharmacy Practice* by Drs. Fazel & Spencer – PhPr 805b and PhPr 805c combined into one course with no loss of content (implemented in Fall 2018)
  - *Oncologic Diseases* by Drs. Davis & Larriva – a PhPr, 2-unit elective course
  - *Clinical Pathophysiology I* by Dr. Camenisch (now Dr. Ooi) – Pcol 838a, 2-unit required course
  - *Clinical Pathophysiology II* by Dr. Camenisch (now Dr. Chen) – Pcol 838b, 2-unit required course
  - *Introduction to Pharmacology and Medicinal Chemistry* by Dr. Regan – Pcol 824, 3-unit required course
  - *Calculations, Compounding & Dispensing* by Drs. Squire and Cameron – PhPr 810, 2-unit required course
  - *Pharmacotherapeutics I* by Dr. Kennedy – PhPr 860a, 2-unit required course
  - *Medicinal Chemistry* by Dr. Hulme – Pcol 826a, 2-unit required course

(4) AACP/ACPE survey monitoring and report to ACPE
- Reviewed 2017 Graduating Student Survey results as compared to national responses.
  - About 80-85 students answered different questions on the survey.
    - e.g., How well did IPPEs prepare you for APPEs? Most students said strongly agree but a few disagreed.
    - Our students answered “strongly agreed” or “agreed” more often than national average.
- Subcommittee formed to work on the ACPE curriculum review report.
  - Revised the PharmD Curriculum Review Policy to reflect accurate process for review.
(5) Collaboration with the Assessment Committee, Technology in Teaching Committee, and Center for Transformative InterProfessional Healthcare (CTIPH) as necessary

- Discussed the student portfolio feedback and PCOA policy.
- Provided input to Assessment Committee regarding student portfolio questions related to curriculum.
- Evaluated Common Exam Times and reviewed student feedback.
- Discussed NAPLEX results and strategies to prepare students and improve score.
- Discussed Law Review change for 4th-year students and MPJE failure rate by our graduates.
- Reviewed PCOA results from 2017 and supported PCOA Review session in Jan 2018.
- Implemented PCOA results into the capstone course – points for preparation + scaled score achieved.
- Attended demo session and recommended NeerPerfect Electronic Health Record for case-based teaching.
- Reported various teaching technology issues to liaison Dr. Rottier.
- Formed Subcommittee with the Assessment Committee to review the 2018 PCOA results and student feedback to strategize for 2019 review and exam.

(7) Educational programs and resources for faculty and students

- Provided Curriculum Overview with emphasis on 1st-year courses and curriculum threads to 1st-year students during Orientation in August 2017.
- Steps for New or Modified PharmD Course document created, disseminated and posted to CC Share Point – see Appendix C.
- Educational sessions held during COP Retreat in Dec 2017.
  - Better Teaching, Better Learning by Dr. Jane Hunter (Office of Provost)
  - Teaching Theories by Lindsay Hansen (Office of Instruction & Assessment)
  - Using blended learning by Dr. Pete Rottier (UACOP)
- Compiled and stored all course syllabi and schedule, organized by course name and number, in the CC Share Point for faculty/staff/student use, and widely announced to inform the College.
- Current curriculum + PharmD Forward curriculum document shared with faculty and posted to CC Share Point.

(8) Ensure curriculum responsiveness to contemporary and emerging professional roles of pharmacists

- Reviewed curriculum content using published guidelines/toolkits or national discussions:
  - Entrustable Professional Activities (EPA) Implementation Roadmap – integrated into current experiential rotation evaluations and student portfolios
  - Healthcare and LGBTQIA+ – adequate coverage in our curriculum
  - College of Psychiatric and Neurologic Pharmacists (CPNP) Curriculum Guide – discussed options to improve APPE rotation offerings
  - Top 200-300 drug cards use – improve use and assessment throughout curriculum, particularly in Dr. Squire’s Lab, Pharmacology, Pharmacotherapeutics, Prep for Rotations courses
- Recommended curricular coverage of topics important for clinical practice and NAPLEX/PCOA success:
  - IV Training for improved APPE experience – recommendations provided for PHPR 810 Calculations, Compounding, Dispensing course
  - Brand-generic drug names – to be emphasized throughout curriculum
  - Pathophysiology per student feedback – emphasis needed in Pharmacology, Med Chem, and Pharmacotherapeutics courses in the current curriculum

(9) Additional work

- Established Zoom conference, in place of BioCom conference, for members attending from the Phoenix Campus or off-site.
• Reorganized CC SharePoint site to improve information sharing and easier access to materials for readers; tested by CC faculty and students.
• Discussed several teaching policies and procedures and provided recommendations (e.g., classroom visitors, handout printing, student professionalism and ethics, class attendance and panopto recording, sharing of panopto recording with outside instructors).

I am truly grateful for active participation (via attendance in person or videoconferencing) in monthly meetings and subcommittee efforts by the CC members.

Respectfully submitted on behalf of the UACOP Curriculum Committee,

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