August 25, 2017

Janet L. Sturman, Ph.D.
Associate Dean, Graduate College
Professor, Music, Ethnomusicology
Admin 302, University of Arizona, Tucson, AZ 85721
sturman@email.arizona.edu

RE: College of Pharmacy Curriculum Change

Dear Dr. Sturman and the Graduate Executive Review Team,

The College of Pharmacy is currently undergoing a transformation to improve the Doctor of Pharmacy (PharmD) curriculum. The new curriculum is part of the PharmD Forward initiative at the College. This curriculum transformation is more than a better way for faculty to teach the content and for students to learn the content in order to become a pharmacist. Our goal is to produce leaders in pharmacy, remain competitive for attracting the brightest students, and sustain our college as one of the nation’s best in pharmacy education.

The PharmD Forward Curriculum to be launched in the fall of 2018 targets:
1. A shift to expose students to diseases, drugs and therapeutics earlier in the curriculum to be ready for Introductory Pharmacy Practice Experience (IPPE), health fairs and pharmacy work.
2. A shift to have students apply advanced medicinal chemistry, pharmacology and pharmacogenomics concepts to patient-centered drug selection closer to Advanced Pharmacy Practice Experience (APPE) rotations.
3. Intentional integration of course topics by faculty collaboration with effective spacing, intentional repetition, and applied learning.
4. Expanding opportunities for students through more explicitly described and feasible dual-degree options and certificate programs; made room in the curriculum for 2 additional electives.

You may watch the introductory video here - https://vimeo.com/212944338.
Attached are current PharmD curriculum outline for Class of 2021 and PharmD Forward curriculum outline for Class of 2022.

Thank you for your review and consideration.

Respectfully submitted,

Jeannie K Lee, PharmD, BCPS, BCGP, FASHP
Chair, Curriculum Committee
The University of Arizona College of Pharmacy
jlee@pharmacy.arizona.edu
The University of Arizona
College of Pharmacy
Doctor of Pharmacy Curriculum for Class of 2021

First Professional Year (33 units)

First Semester (17 Units)
- Pcol 820 Case Studies in Biochemical Pharmacology (1)
- Pcol 832 Metabolic Basis of Pharmacotherapy (4)
- Pcol 835a Immunology and Hematology (3)
- PhPr 800 Pharmaceutical Calculations (1)
- PhPr 802 Pharmaceutics (3)
- PhPr 804 Communication Skills & Human Behavior (2)
- PhPr 805c Beginning Pharmacy Practice (2)
- PhPr 806a Intro to Pharmaceutical Compounding and Dispensing (1)

Second Semester (16 Units)
- Pcol 821 Case Studies in Pharmacology (1)
- Pcol 836a Chemotherapy of Infectious Disease (3)
- PhPr 801e IPPE: Perspectives in Aging (3)
- PhPr 805b Beginning Pharmacy Practice (1)
- PhPr 806b Intro to Pharmaceutical Compounding and Dispensing (1)
- PhPr 814 Preventive Care (2)
- PhPr 816a Patient Assessment (3)

Total units required from advanced experiential (rotation) courses = 35 units.

Second Professional Year (34 units)

First Semester (16 Units)
- Pcol 837a Medicinal Chemistry (3)
- Pcol 837b Medicinal Chemistry (2)
- Pcol 871a Pharmacology (4)
- Pcol 871c Pharmacology (3)
- PhPr 822 Case Discussions in Med Chem & Pharmacology (1)
- PhPr 845a Medication Use in the U.S. (2)
- PhPr 861a Drug Lit Eval - Research Design Considerations (2)
- PhPr 861b Self-Care Pharmacotherapeutics (2)
- PhPr 863a Quality Improvement and Medication Error Reduction (2)
- Electives (2)

Second Semester (18 Units)
- Pcol 838 Medicinal Chemistry (3)
- Pcol 838a Medicinal Chemistry (2)
- PhPr 801c IPPE (2)
- PhPr 842 Professional Practice Management (3)
- PhPr 843 Pharmacy Laws (2)
- PhPr 843a Pharmacotherapeutics I (6)
- PhPr 857 Professional Practice Experience (5-10 Units)
- Electives (2)

A minimum GPA of 2.5 must be maintained at this point for graduation.

Third Professional Year (36 units)

First Semester (18 Units)
- PhPr 801c IPPE (2)
- PhPr 807a Basic Pharmacokinetics (3)
- PhPr 808a Pharmacokinetics Discussion (1)
- PhPr 842 Professional Practice Management (3)
- PhPr 844 Pharmacy Laws (2)
- PhPr 875b Pharmacotherapeutics II (6)
- PhPr 895b Preparation for Rotations (1)
- PhPr 896a Pharmacy Practice Project (2)
- PhPr 896b Pharmacy Practice Project (2)

Second Semester (18 Units)
- PhPr 811 Advanced Patient Care (3)
- PhPr 875c Pharmacotherapeutics III (6)
- PhPr 885a Applied Pharmacokinetics (2)
- PhPr 887 Individualized Medicine: Applied Pharmacogenetics for Pharmacy Students (3)
- Electives (2)

Summer Session (5-10 Units)
- PhPr 803 Advanced Pharmacy Practice Experience (5-10 Units)

Fourth Professional Year (29-34 units)

First Semester
- PhPr 803 Advanced Pharmacy Practice Experience (10-15 Units)

Second Semester
- PhPr 896b Pharmacy Practice Project (2)
- PhPr 803 Advanced Pharmacy Practice Experience (10-15 Units)

Four units of upper division electives (nonpracticum) are required for the Pharm.D. program. Total units required from advanced experiential (rotation) courses = 35 units. Total degree units = 142 units.
# The University of Arizona
## College of Pharmacy
## Doctor of Pharmacy Curriculum for Class of 2022

### First Professional Year (34 units)

<table>
<thead>
<tr>
<th>First Semester (17 Units)</th>
<th>Second Semester (17 Units)</th>
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<tbody>
<tr>
<td>Pcol 832 Biomolecular Basis of Pharmacotherapy (4)</td>
<td>Pcol 821 Case Studies in Pharmacology (1)</td>
</tr>
<tr>
<td>PhPr 804 Communication Skills &amp; Human Behavior (2)</td>
<td>Pcol XXX -Introduction to Pharmacology &amp; Medicinal Chemistry (3)</td>
</tr>
<tr>
<td>PhPr 805c Pharmacy Practice (3)</td>
<td>Pcol XXXb Clinical Pathophysiology II (2)</td>
</tr>
<tr>
<td>PhPr 806a Compounding and Dispensing (1)</td>
<td>PhPr 801e IPPE : Perspectives in Aging (3)</td>
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<td>PhPr 814 Public Health &amp; Prevention (2)</td>
<td>PhPr XXX Calculations, Compounding and Dispensing (2)</td>
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<td>PhPr 816a Patient Assessment (3)</td>
<td>PhPr 812 Self-Care Pharmacotherapeutics (2)</td>
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<tr>
<td>Pcol XXXa Clinical Pathophysiology I (2)</td>
<td>PhPr 861a Literature Evaluation - Statistical Methods (2)</td>
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<td>PhPr 875D Pharmacotherapeutics I (2)</td>
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<tr>
<td>PhPr 802 Pharmaceutics/Biopharmaceutics (3)</td>
<td>Phpr XXX Medical Microbiology (1)</td>
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<tr>
<td>PhPr 861b Literature Eval - Research Design Considerations (2)</td>
<td>PhPr 801b IPPE (2)</td>
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<td>PhPr 863a Quality and Safety (2)</td>
<td>PhPr 845a Medication Use in the U.S. (2)</td>
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<td>PhPr 875E Pharmacotherapeutics II (4)</td>
<td>PhPr 861c Literature Evaluation - Applications(2)</td>
</tr>
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<td>Electives (2)</td>
<td>PhPr 863b Quality and Safety Lab (1)</td>
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<td>PhPr 875F Pharmacotherapeutics III (3)</td>
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<td>PhPr XXX Pharmacokinetics (5)</td>
<td>PhPr 843 Pharmacy Laws (2)</td>
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<td>PhPr 842 Professional Practice Management (3)</td>
<td>PhPr 862 Writing a Research Proposal (2)</td>
</tr>
<tr>
<td>PhPr 875G Pharmacotherapeutics IV (5)</td>
<td>PhPr 875H Pharmacotherapeutics V (5)</td>
</tr>
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<td>PhPr 895b Preparation for Rotations (1)</td>
<td>PhPr 887 Applied Pharmacogenetics and Precision Medicine (3)</td>
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<td>Electives (2)</td>
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### Summer Session (5-10 Units)

PhPr 803 Advanced Pharmacy Practice Experience (5-10 Units)

### Fourth Professional Year (29-34 units)

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