Changes in the BSPS curriculum:
What current students need to know
What is happening with the BSPS program?

• A new curriculum will be phased in starting with the AU2015 cohort of freshmen

• From 2015-2018, new courses will go live, sometimes replacing existing required BSPS courses
Relevant new courses

PHR2500: Drug Discovery, Development, and Delivery
Explores the roles of vested stakeholders (e.g. patients, pharmaceutical industry, providers, insurers, society, etc.) during a drug’s “bench to bedside” development. Additionally discusses post-approval issues with respect to access, social impact, and safety.

3 cr hours; to be offered both semesters starting in AU16;

No prerequisites

Will be an equal replacement for PHR4500 (Pharmaceutical Distribution and Health Care Systems, 3 cr hrs)
Relevant new courses

PHR3200: Biochemistry for the Pharmaceutical Sciences
Fundamentals of biological chemistry for the study of the pharmaceutical sciences including molecular basis of structure, metabolism, genetic replication, transcription, and translation in humans. Ties to drug processes will be highlighted.

5 cr hours; to be offered during AU semester starting in AU16

Prerequisite: CHEM2520/2920H

Will be a replacement for PHR4100 (Biomedicinal Chemistry, 3 cr hrs); extra 2 cr hrs will be applied to elective hrs
Relevant new courses

PHR4000, 4010: Integrated Pharmaceutical Sciences Series
Principles governing the design, synthesis, delivery, action, and use of drugs in disease treatment. Model disease pathophysiology and treatment will be investigated.

10 cr hours total (5 cr hrs each); to be offered starting in SP17

Prerequisites: PHR3200/4100, Physiology

Series (both courses) will be a replacement for PHR4200 (Intro to Med Chem, 3 cr hrs), PHR4300 (Intro to Pharmaceutics, 2 cr hrs), and PHR4400 (Integrated Pharmacology, 2 cr hrs); extra 3 cr hrs will be applied towards elective hrs
What do I need to know regarding my schedule plan?

- Current students will be held to the degree requirements of the existing BSPS program (not the revised one)

- Current students’ progression towards graduation will not be hindered by the curricular change
What do I need to know?
Review of what you must take

• GE coursework
  – Writing (6 cr hrs)
  – Foreign language (12 cr hrs)
  – Social science (6 cr hrs)
  – Arts and humanities (12 cr hrs)

• Core math and science coursework
  – General Chem (10 cr hrs)
  – Organic Chem with labs (12 cr hrs)
  – Biology (8 cr hrs)
  – Calculus (5 cr hrs)
  – Physiology (3-5 cr hrs)
  – Physics (10 cr hrs)
What do I need to know?
Review of what you must take

• **Required Pharmacy coursework**
  – PHR4100: Biomedicinal Chemistry (3 cr hrs)
  – PHR4200: Intro to Med Chem (3 cr hrs)
  – PHR4300: Intro to Pharmaceutics (2 cr hrs)
  – PHR4400: Integrated Pharmacology (2 cr hrs)
  – PHR4500: Pharm. Distribution and Health Care Systems (3 cr hrs)
  – PHR4600: Pharm. Sci. Laboratory (2 cr hrs)

• **BSPS elective hrs (at least 10 cr hrs)**
What do I need to know?

Last offerings of the current required courses (in their existing form)

- PHR4100: Biomedicinal Chemistry..........................AU15
- PHR4200: Intro to Med Chem..................................SP16*
- PHR4300: Intro to Pharmaceutics ...........................AU16
- PHR4400: Integrated Pharmacology.........................SP16*
- PHR4500: Pharm. Distr. And Health Care Systems...SP16
- PHR4600: Pharm. Sci. Laboratory............................Maintains

* A hybrid-online version of PHR4200 and PHR4400 will be offered during SP17
Advising for current sophomores (AU13 start): Option #1 (preferred)

• Take PHR4100 in AU15
• Take PHR4200 and 4400 in SP16
  – Physiology can be taken concurrently if needed
• Can take PHR4500 in SP16 or take the new PHR2500 course (Drug Discovery, Development, and Delivery) in AU16 or SP17
• Take PHR4300 in AU16
• Take PHR4600 anytime over the next 2 yrs
• Complete 10 elective hours and remaining GE requirements
Advising for current sophomores (AU13 start):
Option #2 (Biochemistry in the 4\textsuperscript{th} year)

- Can take PHR4500 in SP16 or take the new PHR2500 course (Drug Discovery, Development, and Delivery) in AU16 or SP17
- Take the new PHR3200 Biochemistry course (PHR4100 replacement) in AU16
- Take PHR4300 in AU16
- Take hybrid online versions of PHR4200 and PHR4400 in SP17
- Take PHR4600 anytime over the next 2 yrs
- Complete 8 elective hours and remaining GE requirements
Advising for current freshmen (AU14 start)

- Take the Organic Chemistry series in 2015-16
- Take the new PHR3200 Biochemistry and EEOB2520 Physiology courses in AU16
- Take the new PHR2500 Drug Discovery, Development, and Delivery course anytime during AU16 – SP18
- Take the new PHR4000, -10 Integrated Pharm. Sciences course series in SP17 and AU17
- Take PHR4600 anytime from AU16 – SP18
- Complete 5 elective hours and remaining GE requirements
Tips for the transition

• Do NOT start taking PHR4200-4400 without checking that you can actually complete all three courses before they disappear.
• When it makes sense, take one of the new courses.
• Don’t preload electives.
• Stay in contact with your advisor!
  – Zayd Abukar.3
  – Katie Watkins.541
Questions?