

# DOCTOR OF PHARMACY CURRICULUM

*Entering Class of 2005 and Later*

## FIRST PROFESSIONAL YEAR

### Fall Semester

| <u>Course #</u> | <u>Name</u>  | <u>Credits</u> |
|-----------------|--|----------------|
| PHA 5451        | Clinical Biochemistry  | 4              |
| PHA 5100        | Dosage Forms I   | 3              |
| PHA 5433        | Fundamentals of Medicinal Chemistry                                  | 1              |
| PHA 5560C       | Physiological Basis of Disease I                                     | 5              |
| PHA 5727        | Intro to Pharmacists, Pharmaceuticals,<br>And the Health Care System | 3              |
| PHA 5941C       | Practicum I  | <u>1</u>       |
|                 |  | 17             |

### Spring Semester

|           |  |          |
|-----------|--|----------|
| PHA 5101  | Dosage Forms II  | 2        |
| PHA 5436  | Structure and Function of Nucleotides: Basis for Therapy | 2        |
| PHA 5515  | Basic Principles of Pharmacology                         | 1        |
| PHA 5561C | Physiological Basis of Disease II                        | 5        |
| MCB 5252  | Microbiological and Immunological Basis for Therapy      | 4        |
| PHA 5781  | Pharmacotherapy I  | 2        |
| PHA 5942C | Practicum II   | <u>1</u> |
|           |  | 17       |

## SECOND PROFESSIONAL YEAR

### Fall Semester

| <u>Course #</u> | <u>Name</u>                                      | <u>Credits</u> |
|-----------------|--|----------------|
| PHA 5719        | Introduction to Quantitative Methods in Pharmacy | 3              |
| PHA 5127        | Basic Principles of Dose Optimization I          | 2              |
| PHA 5437        | Medicinal Chemistry I                            | 3              |
| PHA 5516        | Pharmacological Basis of Therapeutics I          | 4              |
| PHA 5782        | Pharmacotherapy II                               | 5              |
| PHA 5943C       | Practicum III                                    | <u>1</u>       |
|                 |  | 18             |

### Spring Semester

|           |  |          |
|-----------|--|----------|
| PHA 5128  | Basic Principles of Dose Optimization II         | 2        |
| PHA 5438  | Medicinal Chemistry II                           | 3        |
| PHA 5517  | Pharmacological Basis of Therapeutics II         | 4        |
| PHA 5742C | Professional Communications in Pharmacy Practice | 2        |
| PHA 5783  | Pharmacotherapy III                              | 5        |
| PHA 5944C | Practicum IV                                     | <u>1</u> |
|           |  | 17       |

## THIRD PROFESSIONAL YEAR

### Fall Semester

| <u>Course #</u> | <u>Name</u>   | <u>Credits</u> |
|-----------------|---|----------------|
| PHA 5104        | Dosage Forms and Contemporary Pharmacy Practice     | 2              |
| PHA 5108L       | Pharmaceutical Skills Laboratory I                  | 2              |
| PHA 5113        | Drug Therapy Monitoring and Pharmacogenomics        | 2              |
| PHA 5226        | Evidence-Based Pharmacy                             | 4              |
| PHA 5784        | Pharmacotherapy IV                                  | 3              |
| PHA 5239        | Legal & Organizational Environment of Medicines Use | 3              |
| ***             | Electives   | <u>2</u>       |
|                 |   | 18             |

### Spring Semester

|            |  |          |
|------------|--|----------|
| PHA 5000** | Clerkships                                     | 8        |
| PHA 5109L  | Pharmaceutical Skills Laboratory II            | 1        |
| PHA 5267   | Critical Appraisal of Pharmacoeconomic Studies | 1        |
| PHA 5787   | Pharmacotherapy V                              | 3        |
| ***        | Electives                                      | <u>2</u> |
|            |  | 15       |

## FOURTH PROFESSIONAL YEAR

### Summer Semester

|            |            |    |
|------------|------------|----|
| PHA 5000** | Clerkships | 12 |
|------------|------------|----|

### Fall Semester

|            |            |    |
|------------|------------|----|
| PHA 5000** | Clerkships | 16 |
|------------|------------|----|

### Spring Semester

|            |                    |          |
|------------|--------------------|----------|
| PHA 5000** | Clerkships         | 8        |
| PHA 5788   | Pharmacotherapy VI | 2        |
| PHA 5352   | Herbal Medicines   | 2        |
| ***        | Electives          | <u>4</u> |
|            |                    | 16       |

**Total credit = 146**

\* Courses and clerkships in the professional curriculum are revised periodically to meet pharmacy education standards. Current information on the curriculum can be obtained from the Office for Student Affairs in the College of Pharmacy.

\* \* Clerkship course numbers at the 5000 level will be selected by students with direction and assistance from the Office of Experiential Programs.

\*\*\* Pharmacy electives are required.

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