

110年4月8日藥科院院級課程委員會修正通過  
 110年6月23日藥學系課程委員會修正通過  
 110年8月4日藥學系課程委員會修正通過

For undergraduate students in the period 2021 to 2027

The list of compulsory/elective course credits for every semester

| First year  |  |           |           | Second year                     |   |             |           | Third year                      |  |             |             |
|---|--|-----------|-----------|---------------------------------|---|-------------|-----------|---------------------------------|--|-------------|-------------|
| Subject   |  | Credit    |           | Subject                         |   | Credit      |           | Subject                         |  | Credit      |             |
|   |  | Fall      | Spring    |                                 |   | Fall        | Spring    |                                 |  | Fall        | Spring      |
| C   | English Literature                                 | 2         | 2         | C                               | English Literature  | 2           |           | C                               | Pharmaceutics (II)                     | 3           |             |
| C   | Chinese Literature                                 | 2         |           | C                               | Advanced English  |             | 2         | C                               | Pharmaceutics Laboratory (II)          | 0.5         |             |
| C   | General Education Core Courses                     | 4         | 4         | C                               | Optional Liberal Education  | 2           |           | C                               | Medicinal Chemistry (I)(II)            | 3           | 3           |
| C   | Optional Liberal Education                         | 2         | 2         | C                               | General Education Core Courses  |             | 4         | C                               | Medicinal Chemistry Laboratory (I)(II) | 0.3         | 0.7         |
| C   | Principles of Chemistry                            | 2         |           | C                               | Advanced Organic Chemistry  |             | 2         | C                               | Pharmacology (I)(II)                   | 2.2         | 2.2         |
| C   | General Biology (I)(II)                            | 2         | 2         | C                               | Anatomy   | 3           |           | C                               | Pharmacology Lab. (I)(II)              | 0.3         | 0.3         |
| C   | Calculus (I)(II)                                   | 2         | 2         | C                               | Physical Chemistry  | 3           |           | C                               | Applied Pathology                      | 2           |             |
| C   | Orientation in Pharmacy                            | 2         |           | C                               | Pharmacognosy and Traditional Chinese Pharmacology (I)(II)            | 3           | 2         | C                               | Cell Biology                           | 1           |             |
| C   | Introduction to Computer Science                   | 2         |           | C                               | Pharmacognosy and Traditional Chinese Pharmacology Laboratory (I)(II) | 0.5         | 0.5       | C                               | Microbiology & Immunology              | 4           |             |
| C   | Introduction to Chinese Materia Medica             | 1         |           | C                               | Biochemistry  | 4           |           | C                               | Pharmaceutical Analysis                |             | 4           |
| C   | General Physics                                    |           | 3         | C                               | Biochemistry Lab.   | 1           |           | C                               | Pharmaceutical Analysis Lab.           |             | 1           |
| C   | Analytical Chemistry                               |           | 3         | C                               | Physiology  |             | 4         | C                               | Biopharmaceutics                       |             | 3           |
| C   | Organic Chemistry                                  |           | 3         | C                               | Pharmaceutics (I)   |             | 2         | C                               | Biologics                              |             | 2           |
|   |  |           |           | C                               | Pharmaceutics Laboratory (I)  |             | 0.5       |                                 |  |             |             |
|   |  |           |           | C                               | Molecular Biology   |             | 1         |                                 |  |             |             |
|   |  |           |           | C                               | Biostatistics   |             | 2         |                                 |  |             |             |
|   |  |           |           | C                               | Laboratory in Organic Chemistry                                       |             | 1         |                                 |  |             |             |
| C   | Pursuing Your Preeminence in Pharmacy Land (I)(II) | 1         | 1         | C                               | Pursuing your preeminence in pharmacy land (III)(IV)                  | 1           | 1         | C                               | Class meeting                          | 0           | 0           |
| C   | PE   | 0         | 0         | C                               | PE  | 0           | 0         | C                               | PE                                     | 0           | 0           |
| *It must include "General Psychology" (2 credits) in "Optional Liberal Education" in the first year.  |  |           |           |                                 |   |             |           |                                 |  |             |             |
| *Total "General Education Core Courses" are 12 credits and total "Optional Liberal Education" are 6 credits during the first and second year. |  |           |           |                                 |   |             |           |                                 |  |             |             |
| <b>Total compulsory credits</b>   |  | <b>22</b> | <b>22</b> | <b>Total compulsory credits</b> |   | <b>19.5</b> | <b>22</b> | <b>Total compulsory credits</b> |  | <b>16.3</b> | <b>16.2</b> |
| E   | Introduction to Chinese Medicine                   | 1         |           | E                               | Seminar on Special Topics (I)(II)                                     | 1           | 1         | E                               | Seminar on Special Topics (III)(IV)    | 1           | 1           |
| E   | Programming Design                                 |           | 2         | E                               | Medical Terminology & Pronunciation                                   |             | 1         | E                               | Modern Herbolism                       |             | 3           |
| <b>Graduation threshold : 199 credits</b>   |  |           |           |                                 |   |             |           |                                 |  |             |             |

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| Forth year  |  |           |           | Fifth year |  |           |           | Sixth year  |  |           |           |  |  |
|---|--|-----------|-----------|------------|--|-----------|-----------|---|--|-----------|-----------|--|--|
| Subject   |  | Credit    |           | Subject    |  | Credit    |           | The following two subjects are compulsory<br>1. Advanced Pharmacy Practice Reesearch (I) – (VI) (Pharmacy Reesearch, Clinical Pharmacy, Regulatory Affairs, Industrial Pharmacy, International Pharmacy) (640 hr) |  |           |           |  |  |
|   |  | Fall      | Spring    |            |  | Fall      | Spring    |   |  |           |           |  |  |
| C   | Epidemiology   | 2         |           | C          | Advanced Pharmacotherapy                                       | 6         |           |   |  |           |           |  |  |
| C   | Dispensing Pharmacy & Clinical Pharmacy  | 4         |           | C          | Non-Prescription Therapeutics                                  | 2         |           | Subject   | Time   | Credit    |           |  |  |
| C   | Dispensing Laboratory  | 1         |           | C          | Industrial Pharmacy  | 1         |           | (I)   | Summer course in four grade                                | 5         |           |  |  |
| C   | Clinical Pharmacokinetics  | 2         |           | C          | Health Policy and Health Insurance                             | 2         |           | (II)  | Summer course in five grade                                | 5         |           |  |  |
| C   | Pharmacy Administration and Pharmacy Law   | 2         |           | C          | Drug Development and Clinical trials                           | 1         |           | (III)   | Fall in six grade  | 5         |           |  |  |
| C   | Pharmacy Ethics  | 2         |           | C          | Introduction to Community Pharmacy                             | 2         |           | (IV)  | Fall in six grade  | 5         |           |  |  |
| C   | Pharmacotherapy  | 6         |           | C          | Community Pharmacy Practice Experience (winter course, 160 hr) |           | 2         | (V)   | Spring in six grade  | 5         |           |  |  |
| C   | Pharmacy Seminar (Academic Research/ Hospital Pharmacy/ Pharmaceutical Affairs/ Pharmaceutical Industry) | 1         |           | C          | Clinical Pharmacy Practice Experience (640 hr)                 |           | 10        | (VI)  | Spring in six grade  | 5         |           |  |  |
| C   | Drug Information and Analysis  | 2         |           |            |  |           |           | 2. Advanced Seminar (I) - (II)  |  |           |           |  |  |
| C   | Hospital Pharmacy Practice Experience (640 hr)   |           | 10        |            |  |           |           | (I)   | Fall in six grade  | 1         |           |  |  |
| C   | Class meeting  | 0         | 0         |            |  |           |           | (II)  | Spring in six grade  | 1         |           |  |  |
| 1. Advanced Pharmacy Practice Reesearch (I) – (VI) (Pharmacy Reesearch, Clinical Pharmacy, Regulatory Affairs, Industrial Pharmacy, International Pharmacy) choose at last 4 course |  |           |           |            |  |           |           |   |  |           |           |  |  |
| 2. Advanced Seminar (I) - (II) choose at last 1 course  |  |           |           |            |  |           |           |   |  |           |           |  |  |
|   | <b>Total compulsory credits</b>  | <b>22</b> | <b>10</b> |            | <b>Total compulsory credits</b>                                | <b>14</b> | <b>12</b> |   | <b>Total compulsory credits</b>                            | <b>11</b> | <b>10</b> |  |  |
| E   | Prescription of Chinese Drug   | 3         |           | E          | Introduction to Pharmaceutical Economics                       | 2         |           | E   | Advanced Pharmacy Practice Experience (II) (summer course) | 2         |           |  |  |
| E   | Introductory Pharmacy Practice Experience(summer course)   | 2         |           | E          | Advanced Pharmacy Practice Experience (I) (summer course)      | 2         |           |   |  |           |           |  |  |
|   |  |           |           | E          | Seminar  | 1         |           |   |  |           |           |  |  |
|   |  |           |           | E          | Processing of Chinese Medicine                                 | 3         |           |   |  |           |           |  |  |
| Herbology, Prescription of Chinese Drug, Processing of Chinese Medicine begin every 3 year  |  |           |           |            |  |           |           |   |  |           |           |  |  |
| <b>Graduation threshold : 199 credits</b>   |  |           |           |            |  |           |           |   |  |           |           |  |  |