

**Advising Plan/Pharmacy**  
**2018/2019**

| <b>First Year</b>     |                                      |                     |                            |                        |   |                     |                        |
|-----------------------|--------------------------------------|---------------------|----------------------------|------------------------|---|---------------------|------------------------|
| <b>First Semester</b> |                                      |                     |                            | <b>Second Semester</b> |   |                     |                        |
| <b>Course No.</b>     | <b>Course</b>                        | <b>Credit hours</b> | <b>Pre req.</b>            | <b>Course No.</b>      | <b>Course</b>                           | <b>Credit hours</b> | <b>Pre req.</b>        |
| 0211109               | General Physics for Health Sciences  | 3                   | —                          | 0250101                | Calculus 1                              | 3                   | —                      |
| 0212109               | General Chemistry for Health Science | 3                   | —                          | 0510120                | Pharmaceutical Organic Chemistry (1)    | 3                   | 0212109                |
| 0240110               | General Biology for Health Science   | 3                   | —                          | 0520121                | Human Anatomy and Histology             | 2                   | 0240110                |
| 0114101               | Arabic Language Skills (1)           | 3                   | 0114099<br>(Passing grade) | 0510122                | Pharmaceutical Analytical Chemistry     | 3                   | 0212109                |
| 0130101               | English Language Skills (1)          | 3                   | 0130099<br>(Passing grade) | 0510123                | Pharmaceutical Analytical Chemistry-Lab | 1                   | 0510122<br>Corequisite |
|                       |                                      |                     |                            | 0250130                | Pharmaceutical Biostatistics            | 2                   | 0510122<br>Corequisite |
|                       |                                      |                     |                            | 0130102                | English Language Skills (2)             | 3                   | 0130101                |
| <b>Total = 15</b>     |                                      |                     |                            | <b>Total = 17</b>      |   |                     |                        |

**Second Year**

**First Semester**

**Second Semester**

| <b>Course No.</b> | <b>Course</b>                            | <b>Credit hours</b> | <b>Pre req.</b>                      | <b>Course No.</b> | <b>Course</b>                        | <b>Credit hours</b> | <b>Pre req.</b>                                     |
|-------------------|--|---------------------|--------------------------------------|-------------------|--------------------------------------|---------------------|---|
| 0510210           | Pharmaceutical Organic Chemistry (2)     | 3                   | 0510120                              | 0510220           | Pharmaceutical Biochemistry          | 3                   | 0510210   |
| 0510205           | Pharmaceutical Organic Chemistry-Lab     | 1                   | 0510210 Prereq.<br>or<br>Corequisite | 0510221           | Pharmacognosy and Phytochemistry     | 3                   | 0510210   |
| 0510206           | Pharmaceutical Instrumental Analysis     | 3                   | 0510122                              | 0510222           | Pharmacognosy and Phytochemistry-Lab | 1                   | 0510221 Prereq.<br>or Coreq.                        |
| 0510207           | Pharmaceutical Instrumental Analysis-Lab | 1                   | 0510206<br>Corequisite               | 0520224           | Physical Pharmacy                    | 3                   | 0510206   |
| 0520200           | Physiology (1)                           | 3                   | 0520121                              | 0520225           | Physical Pharmacy - Lab              | 1                   | (0510123 + 0520224) Prereq.<br>or<br>0520223 Coreq. |
|                   | University Compulsory                    | 3                   |                                      | 0520223           | Physiology (2)                       | 3                   | 0520200   |
|                   |  |                     |                                      |                   | University Compulsory                | 3                   |   |
| <b>Total = 14</b> |  |                     |                                      | <b>Total = 17</b> |                                      |                     |   |

**Third Year**

| <b>First Semester</b> |  |                     |   | <b>Second Semester</b> |   |                     |   |
|-----------------------|--|---------------------|---|------------------------|---|---------------------|---|
| <b>Course No.</b>     | <b>Course</b>                          | <b>Credit hours</b> | <b>Pre req.</b>                                     | <b>Course No.</b>      | <b>Course</b>                           | <b>Credit hours</b> | <b>Pre req.</b>                                     |
| 0510310               | Pharmaceutical Medicinal Chemistry (1) | 3                   | 0510210   | 0510320                | Pharmaceutical Medicinal Chemistry (2)  | 3                   | 0510310   |
| 0520303               | Pharmaceutics (1)                      | 3                   | 0520223   | 0510327                | Pharmaceutical Medicinal Chemistry -Lab | 1                   | (0510222 + 0510320) Prereq.<br>or<br>0510320 Coreq. |
| 0520300               | Pathophysiology                        | 3                   | 0510223   | 0520322                | Pharmaceutics (2)                       | 3                   | 0520303   |
| 0520301               | Microbiology and Immunology            | 3                   | 0510220   | 0520324                | Pharmaceutics - Lab                     | 1                   | (0520225 + 0520322) Prereq.<br>or<br>0520322 Coreq. |
| 0520302               | Microbiology and Immunology - Lab      | 1                   | (0510207 + 0520301) prereq.<br>or<br>0520301 Coreq. | 0520328                | Pharmacology (1)                        | 3                   | 0520300   |
|                       | University Compulsory                  | 3                   |   | 0520325                | Pharmaceutical Microbiology             | 2                   | 0520301   |
|                       |  |                     |   | 0520404                | Pharmacy Training (1)                   | 1                   | Prereq.0520328 and passing 60 credit hours          |
| <b>Total = 16</b>     |  |                     |   | <b>Total = 17</b>      |   |                     |   |

**Forth Year**

**First Semester**

**Second Semester**

| <b>Course No.</b> | <b>Course</b>                          | <b>Credit hours</b> | <b>Pre req.</b>                                   | <b>Course No.</b> | <b>Course</b>                         | <b>Credit hours</b> | <b>Pre req.</b>                                     |
|-------------------|--|---------------------|---|-------------------|---------------------------------------|---------------------|---|
| 0510410           | Pharmaceutical Medicinal Chemistry (3) | 3                   | 0510320   | 0520430           | Cosmetics                             | 2                   | 0520322   |
| 0520400           | Pharmacology (2)                       | 3                   | 0520328   | 0520431           | Biopharmaceutics and Pharmacokinetics | 3                   | 0520400   |
| 0520402           | Pharmacology - Lab                     | 1                   | (0520302+520400) Prereq.<br>or<br>0520400 Coreq.  | 0520432           | Pharmacology (3)                      | 3                   | 0520400   |
| 0520400           | Clinical Biochemistry                  | 3                   | 0510220   | 0520424           | Advanced Pharmaceutical Technology    | 2                   | 0520420   |
| 0510416           | Clinical Biochemistry - Lab            | 1                   | (0520302+0510415) Prereq.<br>or<br>0510415 Coreq. | 0520425           | Pharmaceutical Technology – Lab       | 1                   | (0520324 + 0520424) Prereq.<br>or<br>0520424 Coreq. |
| 0520420           | Industrial Pharmacy                    | 3                   | 0520322   |                   | Elective Course                       | 3                   |   |
|                   | University Compulsory                  | 3                   |   | 0520440           | Pharmacy Training (2)                 | 1                   | 0520400 and Passing 100 credit hours                |
| <b>Total = 17</b> |  |                     |   | <b>Total = 15</b> |                                       |                     |   |

**Fifth Year**

| First Semester    |  |              |          | Second Semester   |  |              |   |
|-------------------|--|--------------|----------|-------------------|--|--------------|---|
| Course No.        | Course                                 | Credit hours | Pre req. | Course No.        | Course                                       | Credit hours | Pre req.  |
| 0510510           | Phytotherapy                           | 2            | 050400   | 0520520           | Clinical Pharmacy an Therapeutics(2)         | 2            | 0520500   |
| 0520500           | Clinical Pharmacy & Therapeutics (1)   | 3            | 0520432  | 0520521           | Clinical case studies - Lab                  | 1            | (0520402 +0520520) Pre req.<br>or<br>0520520 Coreq. |
| 0520530           | Phramacoeconomics                      | 2            | 0520432  | 0520522           | Toxicology                                   | 2            | 0520432   |
| 0510513           | Pharmaceutical Biotechnology           | 3            | 0510415  | 0350242           | Pharmaceutical Marketing                     | 3            | 0520530   |
| 0520514           | Pharmaceutical Ethics and Legislations | 1            | 0520432  | 0520516           | Clinical Pharmacokinetics                    | 2            | 0520431   |
| 0520515           | Pharmaceutical Communication Skills    | 1            | 0520328  | 0520517           | Clinical Application in Pharmacokinetics-Lab | 1            | 0520516<br>Pre or Co requisite                      |
|                   | Elective Course                        | 3            |          |                   | Elective Course                              | 3            |   |
|                   |  |              |          |                   | University Compulsory                        | 3            |   |
| <b>Total = 15</b> |  |              |          | <b>Total = 17</b> |  |              |   |