

Faculty of Pharmacy/ Yarmouk University

Advisory Plan 2021

| First academic Year-first Semester  |                                               |              |             |           |                                |
|-------------------------------------|-----------------------------------------------|--------------|-------------|-----------|--------------------------------|
| Course Code and No.                 | Course name                                   | Credit hours | theoretical | Practical | Prerequisite                   |
| SCC101                              | General Chemistry for Medical Students        | 3            | 3           | 0         |                                |
| SCC111                              | General Biology for Medical Students          | 3            | 3           | 0         |                                |
| MATH101                             | Calculus                                      | 3            | 3           | 0         |                                |
| HUM121                              | Communication skills in English               | 3            | 3           | 0         |                                |
| HUM120                              | Communication skills in Arabic                | 3            | 3           | 0         |                                |
| Total credits                       |                                               | 15           | 15          | 0         |                                |
| First academic Year-second Semester |                                               |              |             |           |                                |
| Course Code and No.                 | Course name                                   | Credit hours | theoretical | Practical | Prerequisite                   |
| SCC121                              | General Physics for Medical Students          | 3            | 3           | 0         |                                |
| PHRM110                             | Pharmaceutical Analytical Chemistry           | 3            | 3           | -         | SCC101<br>PHRM111 Co-requisite |
| PHRM111                             | Pharmaceutical Analytical Chemistry Practical | 1            | -           | 3         | PHRM110 Co-requisite           |
| PHRM120                             | Human Anatomy and physiology                  | 3            | 3           | -         | SCC111<br>PHRM121 Co-requisite |
| PHRM121                             | Human Anatomy and physiology practical        | 1            | -           | 3         | PHRM120 Co-requisite           |
| SCC105                              | Pharmaceutical Organic Chemistry-1            | 2            | 2           | -         | SCC101                         |
|                                     | University Elective course                    | 3            | 3           | 0         |                                |
| Total credits                       |                                               | 16           | 14          | 6         |                                |
| First academic Year-summer Semester |                                               |              |             |           |                                |
| Course Code and No.                 | Course name                                   | Credit hours | theoretical | Practical | Prerequisite                   |
| MILT100A                            | Military sciences and citizenship             | 3            | 3           | 0         |                                |
| Total credits                       |                                               | 3            | 3           | 0         |                                |

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| Second academic Year-first Semester  |                                                       |              |             |           |                                           |
|--------------------------------------|-------------------------------------------------------|--------------|-------------|-----------|-------------------------------------------|
| Course Code and No.                  | Course name                                           | Credit hours | theoretical | Practical | Prerequisite                              |
| PHRM210                              | Pharmaceutical Organic Chemistry-2                    | 3            | 3           | -         | SCC105<br>PHRM211 Co-requisite            |
| PHRM211                              | Pharmaceutical Organic Chemistry Practical            | 1            | -           | 3         | PHRM210 Co-requisite                      |
| PHRM212                              | Physical Pharmacy and Pharmaceutics                   | 3            | 3           | -         | PHRM110<br>SCC121                         |
| PHRM213                              | Physical Pharmacy and Pharmaceutics Practical         | 1            | -           | 3         | PHRM 212 Co-requisite                     |
| PHRM220                              | Pathophysiology for Pharmacy                          | 3            | 3           | -         | PHRM120                                   |
|                                      | University Elective course                            | 3            | 3           | 0         |                                           |
|                                      | University Compulsory course                          | 3            | 3           | 0         |                                           |
| <b>Total credits</b>                 |                                                       | <b>17</b>    | <b>15</b>   | <b>6</b>  |                                           |
| Second academic Year-second Semester |                                                       |              |             |           |                                           |
| Course Code and No.                  | Course name                                           | Credit hours | theoretical | Practical | Prerequisite                              |
| PHRM230                              | Pharmaceutical compounding and dosage forms           | 3            | 3           | -         | PHRM212<br>PHRM231 Co-requisite           |
| PHRM231                              | Pharmaceutical compounding and dosage forms Practical | 1            | -           | 3         | PHRM230 Co-requisite                      |
| PHRM214                              | Pharmaceutical Microbiology                           | 3            | 3           | -         | SCC111<br>PHRM220<br>PHRM215 Co-requisite |
| PHRM215                              | Pharmaceutical Microbiology Practical                 | 1            | -           | 3         | PHRM214 Co-requisite                      |
| PHRM216                              | Biochemistry                                          | 3            | 3           | -         | SCC111<br>PHRM210                         |
| PHRM221                              | Biostatistics for Pharmacy                            | 2            | 2           | -         | MATH 101                                  |
|                                      | University Elective course                            | 3            | 3           | 0         |                                           |
| <b>Total credits</b>                 |                                                       | <b>16</b>    | <b>14</b>   | <b>6</b>  |                                           |
| Second academic Year-summer Semester |                                                       |              |             |           |                                           |
| Course Code and No.                  | Course name                                           | Credit hours | theoretical | Practical | Prerequisite                              |
| HUM146                               | Leadership, Entrepreneurship and Innovation           | 3            | 3           | 0         |                                           |
| <b>Total credits</b>                 |                                                       | <b>3</b>     | <b>3</b>    | <b>0</b>  |                                           |

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| Third academic Year-first Semester  |                                                 |              |             |           |                                            |
|-------------------------------------|-------------------------------------------------|--------------|-------------|-----------|--------------------------------------------|
| Course Code and No.                 | Course name                                     | Credit hours | theoretical | Practical | Prerequisite                               |
| PHRM330                             | Pharmaceutical Technology-1                     | 3            | 3           | -         | PHRM230<br>PHRM331 Co-requisite            |
| PHRM331                             | Pharmaceutical Technology-1<br>Practical        | 1            | -           | 3         | PHRM330 Co-requisite                       |
| PHRM340                             | Pharmacology-1                                  | 3            | 3           | -         | PHRM220<br>PHRM214                         |
| PHRM312                             | Medicinal Chemistry-1                           | 3            | 3           | -         | PHRM216                                    |
| PHRM310                             | Instrumental Analysis                           | 3            | 3           | -         | PHRM110<br>PHRM210<br>PHRM311 Co-requisite |
| PHRM311                             | Instrumental Analysis Practical                 | 3            | -           | 3         | PHRM310 Co-requisite                       |
| PHRM332                             | Pharmaceutical Biotechnology                    | 3            | 3           | -         | PHRM214                                    |
| Total credits                       |                                                 | 17           | 15          | 6         |                                            |
| Third academic Year-second Semester |                                                 |              |             |           |                                            |
| Course Code and No.                 | Course name                                     | Credit hours | theoretical | Practical | Prerequisite                               |
| PHRM313                             | Phytotherapy and<br>Phytochemistry              | 3            | 3           | -         | PHRM216<br>PHRM314 Co-requisite            |
| PHRM314                             | Phytotherapy and<br>Phytochemistry<br>Practical | 1            |             | 3         | PHRM313 Co-requisite                       |
| PHRM315                             | Medicinal Chemistry-2                           | 3            | 3           |           | PHRM312<br>PHRM316 Co-requisite            |
| PHRM316                             | Medicinal Chemistry-2<br>Practical              | 1            | -           | 3         | PHRM315 Co-requisite                       |
| PHRM333                             | Pharmaceutical Technology-2                     | 3            | 3           | -         | PHRM330                                    |
| PHRM342                             | Biopharmaceutics                                | 2            | 2           | -         | PHRM230<br>PHRM212                         |
| PHRM341                             | Pharmacology-2                                  | 3            | 3           | -         | PHRM340                                    |
| Total credits                       |                                                 | 16           | 14          | 6         |                                            |
| Third academic Year-summer Semester |                                                 |              |             |           |                                            |
| Course Code and No.                 | Course name                                     | Credit hours | theoretical | Practical | Prerequisite                               |
| HUM124                              | National Education                              | 3            | 3           | 0         |                                            |
| PHRM460                             | Community Pharmacy Training                     | 3            | -           | 3         | Successfully Pass 90 credit<br>hours       |
| Total credits                       |                                                 | 3            | 3           | 0         |                                            |

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| Forth academic Year-first Semester  |                                                       |              |             |           |                                 |
|-------------------------------------|-------------------------------------------------------|--------------|-------------|-----------|---------------------------------|
| Course Code and No.                 | Course name                                           | Credit hours | theoretical | Practical | Prerequisite                    |
| PHRM440                             | Phytotherapy                                          | 2            | 2           | -         | PHRM313                         |
| PHRM450                             | Patient-centered Pharmaceutical Care                  | 2            | 2           | -         | PHRM341<br>PHRM451 Co-requisite |
| PHRM451                             | Pharmacy Practice-1 Practical                         | 1            | -           | 3         | PHRM341<br>PHRM450 Co-requisite |
| PHRM441                             | Therapeutics-1                                        | 3            | 3           | -         | PHRM341<br>PHRM312              |
| PHRM452                             | Evidence-Based and drug information Pharmacy Practice | 2            | 2           | -         | PHRM341<br>PHRM221              |
| PHRM442                             | Clinical Biochemistry                                 | 3            | 3           | -         | PHRM216                         |
| PHRM443                             | Pharmacokinetics                                      | 2            | 2           | -         | PHRM342<br>PHRM444 Co-requisite |
| PHRM444                             | Case Studies in Pharmacokinetics                      | 1            | -           | 3         | PHRM443 Co-requisite            |
| Total credits                       |                                                       | 16           | 14          | 6         |                                 |
| Forth academic Year-second Semester |                                                       |              |             |           |                                 |
| Course Code and No.                 | Course name                                           | Credit hours | theoretical | Practical | Prerequisite                    |
| PHRM445                             | Therapeutics-2                                        | 3            | 3           | -         | PHRM441                         |
| PHRM453                             | Pharmacy Practice-2 Practical                         | 1            | -           | 3         | PHRM446 Co-requisite            |
| PHRM430                             | Drug Delivery systems                                 | 2            | 2           | -         | PHRM333                         |
| PHRM442                             | Clinical Biochemistry                                 | 3            | 3           | -         | PHRM216                         |
| PHRM446                             | Non-Prescription Drugs                                | 2            | 2           | -         | PHRM441<br>PHRM453 Co-requisite |
| PHRM454                             | Pharmaceutical Ethics and Legislations                | 3            | 3           | -         | PHRM340                         |
| PHRM447                             | Immunology                                            | 2            | 2           | -         | PHRM220<br>PHRM332              |
| PHRM431                             | Cosmetics                                             | 2            | 2           | -         | PHRM333                         |
| Total credits                       |                                                       | 16           | 15          | 3         |                                 |
| Forth academic Year-summer Semester |                                                       |              |             |           |                                 |
| Course Code and No.                 | Course name                                           | Credit hours | theoretical | Practical | Prerequisite                    |

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|               |                          |   |   |   |                                 |
|---------------|--------------------------|---|---|---|---------------------------------|
| PHRM561       | Clinical Training        | 3 | - | 3 | PHRM441<br>PHRM455 Co-requisite |
| PHRM455       | Clinical Cases Practical | 1 | - | 3 | PHRM445<br>PHRM561 Co-requisite |
| Total credits |                          | 4 | 0 | 6 |                                 |

**Fifth academic Year-first Semester**

| Course Code and No. | Course name                                                 | Credit hours | theoretical | Practical | Prerequisite       |
|---------------------|-------------------------------------------------------------|--------------|-------------|-----------|--------------------|
| PHRM540             | Therapeutics-3                                              | 3            | 3           | -         | PHRM445            |
| PHRM550             | Pharmacoeconomics                                           | 3            | 3           | -         | PHRM340            |
| PHRM541             | Advanced Pharmacology and Toxicology                        | 3            | 3           | -         | PHRM341<br>PHRM445 |
| PHRM542             | Health Informatics and Global and Public Health in Pharmacy | 2            | 2           | -         | PHRM452            |
| PHRM560             | Principles of Business administration for Pharmacy          | 2            | 2           | -         | PHRM460            |
|                     | Elective Core Course-1                                      | 3            | 3           | -         |                    |
| Total credits       |                                                             | 16           | 16          | 0         |                    |

**Fifth academic Year-second Semester**

| Course Code and No. | Course name              | Credit hours | theoretical | Practical | Prerequisite |
|---------------------|--------------------------|--------------|-------------|-----------|--------------|
| PHRM551             | Pharmaceutical Marketing | 3            | 3           | -         | PHRM560      |
|                     | Elective Core Course-2   | 3            | 3           | 0         |              |
|                     | Elective Core Course-3   | 3            | 3           | 0         |              |
| Total credits       |                          | 9            | 9           | 0         |              |