

التاريخ

الرقم ( )

## Pharmacy program (2023-now)

### Study Plan:

#### Level 1

| Term1 |            |             |                              |                          |          |    |   |   |                              |
|-------|------------|-------------|------------------------------|--------------------------|----------|----|---|---|------------------------------|
| No.   | Level-Sem. | Course Code | Course Name                  | اسم المقرر               | Cr. Hrs. | L  | T | P | Prerequisites, Co-requisites |
| 1     | 1/1        | UR1105      | Islamic Culture              | ثقافة اسلامية            | 2        | 2  |   |   | Nil                          |
| 2     | 1/1        | UR1103      | English Language I           | لغة انجليزية 1           | 2        | 2  |   |   | Nil                          |
| 3     | 1/1        | UR1101      | Arabic language I            | لغة عربية 101            | 2        | 2  |   |   | Nil                          |
| 4     | 1/1        |             | Arab- Israeli Conflict       | الصراع العربي الإسرائيلي | 2        | 2  |   |   | Nil                          |
| 5     | 1/1        | PhB111      | Pharmacy Calculations        | حسابات صيدلة             | 1        | 1  |   |   | Nil                          |
| 6     | 1/1        | PhB112      | Introduction to the Pharmacy | مقدمة للصيدلة            | 1        | 1  |   |   | Nil                          |
| 7     | 1/1        | PhF111      | Human Biology                | علم الاحياء انسان        | 3        | 2  |   | 2 | Nil                          |
| 8     | 1/1        | PhF112      | General Chemistry            | كيمياء عامة              | 3        | 2  |   | 2 | Nil                          |
| Total |            |             |                              |                          | 16       | 14 |   | 4 |                              |

| Term2 |            |             |                                           |                                |          |    |   |   |                              |
|-------|------------|-------------|-------------------------------------------|--------------------------------|----------|----|---|---|------------------------------|
| No.   | Level-Sem. | Course Code | Course Name                               | اسم المقرر                     | Cr. Hrs. | L  | T | P | Prerequisites, Co-requisites |
| 1     | 1/2        | UR1204      | English Language II                       | لغة انجليزية 2                 | 2        | 2  |   |   | Nil                          |
| 2     | 1/2        | UR1202      | Arabic language II                        | لغة عربية 102                  | 2        | 2  |   |   | Nil                          |
| 3     | 1/2        | UR1206      | Computer Skills                           | مهارات حاسوب                   | 2        | -  |   | 4 | Nil                          |
| 4     | 1/2        |             | National Culture                          | ثقافة وطنية                    | 2        | 2  |   |   | Nil                          |
| 5     | 1/2        | PhF121      | Anatomy and Histology                     | علم التشريح والانسجة           | 2        | 2  | - |   | General Biology              |
| 6     | 1/2        | PhF122      | Medical Terminology                       | مصطلحات طبية                   | 2        | 2  |   |   | Nil                          |
| 7     | 1/2        | PhB121      | Physical Pharmacy and Product Stability   | صيدلة فيزيائية واستقرار المنتج | 3        | 2  |   | 2 | Pharmacy Calculations        |
| 8     | 1/2        | PhB122      | Communication Skills In Pharmacy Practice | مهارات التواصل للصيدلة         | 1        | 1  |   |   | Nil                          |
| Total |            |             |                                           |                                | 16       | 13 |   | 6 |                              |

التاريخ

الرقم ( )

Level 2

| Term 1 |            |             |                                       |                                 |          |    |   |    |                                                 |
|--------|------------|-------------|---------------------------------------|---------------------------------|----------|----|---|----|-------------------------------------------------|
| No.    | Level-Sem. | Course Code | Course Name                           | اسم المقرر                      | Cr. Hrs. | L  | T | P  | Prerequisites, Co-requisites                    |
| 1      | 2/1        | PhB211      | Pharmaceutical Dosage Forms I         | اشكال صيدلانية 1                | 3        | 2  |   | 2  | Pharmaceutical Calculations & Physical Pharmacy |
| 2      | 2/1        | PhB212      | Pharmaceutical Organic Chemistry I    | كيمياء عضوية صيدلانية 1         | 3        | 2  |   | 2  | General Chemistry                               |
| 3      | 2/1        | PhB213      | Pharmaceutical Analytical Chemistry I | كيمياء تحليلية صيدلانية 1       | 3        | 2  |   | 2  | General Chemistry                               |
| 4      | 2/1        | PhB214      | Pharmaceutical Biochemistry I         | كيمياء حيوية صيدلانية 1         | 3        | 2  |   | 2  | General Chemistry and General Biology           |
| 5      | 2/1        | PhF211      | Medicinal Botany                      | علم النبات الطبي                | 3        | 2  |   | 2  |                                                 |
| 6      | 2/1        | PhF212      | Human Physiology I                    | علم وظائف الاعضاء انسان 1       | 2        | 2  |   | -  | Anatomy and Histology                           |
| 7      | 2/1        | PhF213      | Pharmaceutical Microbiology I         | علم الاحياء الدقيقة الصيدلاني 1 | 3        | 2  |   | 2  | General Biology                                 |
| Total  |            |             |                                       |                                 | 20       | 14 |   | 12 |                                                 |

| Term 2 |            |             |                                        |                                 |          |    |   |    |                                                 |
|--------|------------|-------------|----------------------------------------|---------------------------------|----------|----|---|----|-------------------------------------------------|
| No.    | Level-Sem. | Course Code | Course Name                            | اسم المقرر                      | Cr. Hrs. | L  | T | P  | Prerequisites, Co-requisites                    |
| 1      | 2/2        | PhB221      | Pharmaceutical Dosage Forms II         | اشكال صيدلانية 2                | 3        | 2  |   | 2  | Pharmaceutical Calculations & Physical Pharmacy |
| 2      | 2/2        | PhB222      | Pharmaceutical Organic Chemistry II    | كيمياء عضوية صيدلانية 2         | 3        | 2  |   | 2  | General Chemistry                               |
| 3      | 2/2        | PhB223      | Pharmaceutical Analytical Chemistry II | كيمياء تحليلية صيدلانية 2       | 3        | 2  |   | 2  | General Chemistry                               |
| 4      | 2/2        | PhB224      | Pharmaceutical Biochemistry II         | كيمياء حيوية صيدلانية 2         | 3        | 2  |   | 2  | General Chemistry and General biology           |
| 5      | 2/2        | PhF221      | Human Physiology II                    | علم وظائف الاعضاء انسان 2       | 2        | 2  |   | -  | Anatomy and Histology                           |
| 6      | 2/2        | PhF222      | Pharmaceutical Microbiology II         | علم الاحياء الدقيقة الصيدلاني 2 | 3        | 2  |   | 2  | General biology                                 |
| 7      | 2/2        | PhF223      | Medical Parasitology                   | علم الطفيليات الطبي             | 2        | 1  |   | 2  | General biology                                 |
| Total  |            |             |                                        |                                 | 19       | 13 |   | 12 |                                                 |

التاريخ

الرقم ( )

Level 3

| Term 1 |            |             |                                        |                     |          |    |   |    |                                                 |
|--------|------------|-------------|----------------------------------------|---------------------|----------|----|---|----|-------------------------------------------------|
| No.    | Level-Sem. | Course Code | Course Name                            | اسم المقرر          | Cr. Hrs. | L  | T | P  | Prerequisites, Co-requisites                    |
| 1      | 3/1        | PhB311      | Pharmacology I                         | علم دواء 1          | 3        | 2  |   | 2  | Physiology for pharmacy I & II                  |
| 2      | 3/1        | PhB312      | Medicinal Chemistry I                  | كيمياء دوائية 1     | 3        | 2  |   | 2  | Pharmaceutical Organic Chemistry I & II         |
| 3      | 3/1        | PhB313      | Pharmaceutical Dosage forms III        | اشكال صيدلانية 3    | 3        | 2  |   | 2  | Pharmaceutical Calculations & Physical Pharmacy |
| 4      | 3/1        | PhB314      | Pharmacognosy I                        | علم عقاير 1         | 3        | 2  |   | 2  | Pharmaceutical Organic Chemistry I & II         |
| 5      | 3/1        | PhB315      | Pharmaceutical Instrumental Analysis I | تحليل آلي صيدلاني 1 | 3        | 2  |   | 2  | Pharmaceutical Analytical Chemistry I & II      |
| 6      | 3/1        | PhF311      | General Pathology                      | علم الامراض العام   | 2        | 2  |   |    | Physiology I & II                               |
| 7      | 3/1        | PhF312      | Public Health                          | صحة عامة            | 2        | 2  |   |    |                                                 |
| Total  |            |             |                                        |                     | 19       | 14 |   | 10 |                                                 |

| Term 2 |            |             |                                         |                       |          |    |   |    |                                                 |
|--------|------------|-------------|-----------------------------------------|-----------------------|----------|----|---|----|-------------------------------------------------|
| No.    | Level-Sem. | Course Code | Course Name                             | اسم المقرر            | Cr. Hrs. | L  | T | P  | Prerequisites, Co-requisites                    |
| 1      | 3/2        | PhB321      | Pharmacology II                         | علم دواء 2            | 3        | 2  |   | 2  | Pharmacology I, Medicinal Chemistry II          |
| 2      | 3/2        | PhB322      | Medicinal Chemistry II                  | كيمياء دوائية 2       | 3        | 2  |   | 2  | Medicinal Chemistry I, Pharmacology II          |
| 3      | 3/2        | PhB323      | Pharmaceutical Dosage forms IV          | اشكال صيدلانية 4      | 3        | 2  |   | 2  | Pharmaceutical Calculations & Physical Pharmacy |
| 4      | 3/2        | PhB324      | Pharmacognosy II                        | علم عقاير 2           | 3        | 2  |   | 2  | Pharmaceutical Organic Chemistry I & II         |
| 5      | 3/2        | PhB325      | Pharmaceutical Instrumental Analysis II | تحليل آلي صيدلاني 2   | 3        | 2  |   | 2  | Pharmaceutical Analytical Chemistry I & II      |
| 6      | 3/2        | PhB326      | Intro. to Drug Information              | مقدمة لمعلومات الدواء | 2        | 2  |   | -  |                                                 |
| Total  |            |             |                                         |                       | 17       | 12 |   | 10 |                                                 |



التاريخ

الرقم ( )

| Summer Training Semester |                 |             |                                |            |              |                                                      |
|--------------------------|-----------------|-------------|--------------------------------|------------|--------------|------------------------------------------------------|
| No.                      | Level-Sem.      | Course Code | Course Name                    | اسم المقرر | Training     | Prerequisites, Co-requisites                         |
| 1                        | Summer Training | PhB327      | Pharmacy Practice Experience I |            | 6w (240 hrs) | Pharmaceutical dosage forms I-IV, pharmacology I- II |

Level 4

| Term 1 |            |             |                                     |                            |          |    |   |   |                                          |
|--------|------------|-------------|-------------------------------------|----------------------------|----------|----|---|---|------------------------------------------|
| No.    | Level-Sem. | Course Code | Course Name                         | اسم المقرر                 | Cr. Hrs. | L  | T | P | Prerequisites, Co-requisites             |
| 1      | 4/1        | PhB411      | Pharmacology III                    | علم دواء 3                 | 2        | 2  |   | - | Pharmacology II, Medicinal Chemistry III |
| 2      | 4/1        | PhB412      | Medicinal Chemistry III             | كيمياء دوائية 3            | 3        | 2  |   | 2 | Medicinal Chemistry I, Pharmacology III  |
| 3      | 4/1        | PhB413      | Biopharmaceutics & Pharmacokinetics | صيدلة حيوية و حركية الدواء | 3        | 2  |   | 2 | Pharmaceutical Technology I-IV           |
| 4      | 4/1        | PhB415      | Phytochemistry I                    | كيمياء عقاقير 1            | 3        | 2  |   | 2 | Pharmacognosy I & II                     |
| 5      | 4/1        | PhB416      | Drug Delivery Systems               | انظمة توصيل الدواء         | 2        | 2  |   |   | Pharmaceutical Technology I-IV           |
| 6      | 4/1        | PhB417      | Community Pharmacy Practice I       | ممارسة صيدلة مجتمع 1       | 3        | 2  |   | 2 | Pharmacology I-III                       |
| 7      | 4/1        | PhB418      | Pharmacy Regulations and Ethics     | اخلاقيات وتنظيم صيدلاني    | 2        | 2  |   |   |                                          |
| 8      | 4/1        | PhF411      | Pharmaceutical Statistics           | احصاء صيدلاني              | 2        | 2  |   | - | Pharmaceutical Calculations              |
| Total  |            |             |                                     |                            | 20       | 16 |   | 8 |                                          |



التاريخ

الرقم ( )

| Term 2 |            |             |                                                |                              |          |    |   |   |                                                                        |
|--------|------------|-------------|------------------------------------------------|------------------------------|----------|----|---|---|------------------------------------------------------------------------|
| No.    | Level-Sem. | Course Code | Course Name                                    | اسم المقرر                   | Cr. Hrs. | L  | T | P | Prerequisites, Co-requisites                                           |
| 1      | 4/2        | PhB421      | Pharmacology IV                                | علم دواء 4                   | 2        | 2  |   | - | Pharmacology I , Medicinal Chemistry IV                                |
| 2      | 4/2        | PhB422      | Medicinal Chemistry IV                         | كيمياء دوائية 4              | 2        | 2  |   | - | Medicinal Chemistry I, Pharmacology IV                                 |
| 3      | 4/2        | PhB423      | Clinical Pharmacokinetics                      | حركية الدواء السريري         | 3        | 2  |   | 2 | Pharmaceutical dosage forms I-IV & Biopharmaceutics & Pharmacokinetics |
| 4      | 4/2        | PhB424      | Toxicology                                     | علم السموم                   | 3        | 2  |   | 2 | Pharmacology I-III                                                     |
| 5      | 4/2        | PhB425      | Phytochemistry II                              | كيمياء عقاقير 2              | 2        | 2  |   | - | Pharmacognosy I & II                                                   |
| 6      | 4/2        | PhB426      | Pharmacotherapeutics I                         | معالجة دوائية 1              | 2        | 2  |   | - | Pharmacology I-III,                                                    |
| 7      | 4/2        | PhB427      | Clinical Cases I                               | حالات سريرية 1               | 1        | -  |   | 2 | Pharmacology I-III                                                     |
| 8      | 4/2        | PhB428      | Pharmacy Leadership, Management, and Marketing | ادارة و قياده وتسويق صيدلاني | 2        | 2  |   | - | Pharmacy regulations and ethics                                        |
| 9      | 4/2        | PhB429      | Community Pharmacy Practice II                 | ممارسة صيدلة مجتمع 2         | 3        | 2  |   | 2 |                                                                        |
| Total  |            |             |                                                |                              | 20       | 16 |   | 8 |                                                                        |

| Summer Training Semester |                 |             |                                 |            |               |                                                                                  |
|--------------------------|-----------------|-------------|---------------------------------|------------|---------------|----------------------------------------------------------------------------------|
| No.                      | Level-Sem.      | Course Code | Course Name                     | اسم المقرر | Training      | Prerequisites, Co-requisites                                                     |
| 1                        | Summer Training | PhB4210     | Pharmacy Practice Experience II |            | 10w (400 hrs) | Pharmacology I-IV, & Pharmacy practice I, II and Pharmacy regulations and ethics |

التاريخ

الرقم ( )

Level 5

| Term 1 |            |             |                                |                        |          |    |   |   |                                                                                                  |
|--------|------------|-------------|--------------------------------|------------------------|----------|----|---|---|--------------------------------------------------------------------------------------------------|
| No.    | Level-Sem. | Course Code | Course Name                    | اسم المقرر             | Cr. Hrs. | L  | T | P | Prerequisites, Co-requisites                                                                     |
| 1      | 5/1        | PhB511      | Pharmacotherapeutics II        | معالجة دوائية 2        | 2        | 2  |   | - | Pharmacology I-IV                                                                                |
| 2      | 5/1        | PhB512      | Clinical Cases II              | حالات سريرية 2         | 1        |    |   | 2 | Pharmacology I-IV                                                                                |
| 3      | 5/1        | PhB513      | Phytotherapy                   | التداوي بالأعشاب       | 2        | 2  |   | - | Pharmacognosy I & II and Phytochemistry I & II                                                   |
| 4      | 5/1        | PhB514      | Industrial Pharmacy I          | صيدلة صناعية 1         | 3        | 2  |   | 2 | Pharmaceutical dosage forms I-IV & Biopharmaceutics & Pharmacokinetics and Drug Delivery Systems |
| 5      | 5/1        | PhB515      | Pharmaceutical Quality Control | رقابة جوده صيدلانية    | 3        | 2  |   | 2 | Pharmaceutical Analytical Chemistry I & II and Pharmaceutical instrumental analysis I & II       |
| 6      | 5/1        | PhB516      | Pharmaceutical Biotechnology   | التقنية حيوية صيدلانية | 2        | 2  |   |   | Pharmaceutical Microbiology, Pharmaceutical dosage forms I-IV                                    |
| 7      | 5/1        | PhB517      | Pharmacovigilance              | التيقظ الدوائي         | 1        | 1  |   | - | Pharmacy regulations and ethics                                                                  |
| 8      | 5/1        | PhB518      | Pharmacoeconomics              | مبادئ اقتصاديات الدواء | 1        | 1  |   | - | Pharmacy Leadership, Management, and Marketing                                                   |
| Total  |            |             |                                |                        | 15       | 12 |   | 6 |                                                                                                  |



التاريخ

الرقم ( )

| Term 2 |            |             |                                |                      |          |    |   |   |                                                                                                  |
|--------|------------|-------------|--------------------------------|----------------------|----------|----|---|---|--------------------------------------------------------------------------------------------------|
| No.    | Level-Sem. | Course Code | Course Name                    | اسم المقرر           | Cr. Hrs. | L  | T | P | Prerequisites, Co-requisites                                                                     |
| 1      | 5/2        | PhB521      | Pharmacotherapeutics III       | معالجة دوائية 3      | 2        | 2  |   | - | Pharmacology I-IV                                                                                |
| 2      | 5/2        | PhB522      | Clinical Cases III             | حالات سريرية 3       | 1        |    |   | 2 | Pharmacology I-IV                                                                                |
| 3      | 5/2        | PhB523      | Industrial Pharmacy II         | صيدلة صناعية 2       | 3        | 2  |   | 2 | Pharmaceutical dosage forms I-IV & Biopharmaceutics & Pharmacokinetics and Drug Delivery Systems |
| 4      | 5/2        | PhB524      | Drug Discovery and Development | تصميم الدواء         | 2        | 2  |   | - | Medicinal Chemistry I-IV                                                                         |
| 5      | 5/2        | PhB525      | Research Project in Pharmacy   | مشروع بحث في الصيدلة | 2        |    |   | 4 | All                                                                                              |
| 6      | 5/2        | PhB526      | Cosmetics                      | علم التجميل          | 2        | 2  |   | - | Pharmaceutical dosage forms I-IV                                                                 |
| 7      | 5/2        | PhB527      | Hospital Pharmacy              | صيدلة مستشفيات       | 2        | 2  |   |   | Pharmacotherapeutics I-II                                                                        |
| Total  |            |             |                                |                      | 14       | 10 |   | 8 |                                                                                                  |