

Instructions of Course Plan

Undergraduate degree in pharmacy from the Faculty of pharmacy, University of Jadara after complete study (162) hrs, and after completion of the period of practical training required in accordance with the conditions listed below:

1. Satisfying the conditions stipulated in the instructions granting Bachelor degree issued by the Council of Deans in Jadara University and accordance with the system of under grant degrees for year (2014).
2. Complete credits needed to obtain a Bachelor's degree in Pharmaceutical Sciences, as distributed below:

Table (1)

| No. | Requirements | Compulsory Hrs | Elective Hrs | Total |
|-----|----------------------------------|----------------|--------------|------------|
| 1 | University Requirements | 12 | 15 | 27 |
| 2 | Faculty of Pharmacy Requirements | 30 | ----- | 30 |
| 3 | Departmental Requirements | 93 | 9 | 102 |
| 4 | Free Material | 3 | ----- | 3 |
| | Total | 138 | 24 | 162 |

1: University Requirements: (27 Credits Hrs)**1. University Compulsory Course Requirements: (12 Credit Hrs)****Table No 2**

| Course No. | Course Title | Credit Hours | Contact Hours Lecture | Lab | رقم المادة |
|------------|--------------------------------|---------------|--------------------------|-----|------------|
| 801101 | Arabic language (1) *** | 3 | 3 | 0 | 101099 |
| 802101 | English language skills (1) ** | 3 | 3 | 0 | 102099 |
| 806100 | National education | 3 | 3 | 0 | ----- |
| 806110 | Military Science* | 3 | 3 | 0 | ----- |
| | Total | 12 Hrs | 12 Hrs | | |

- * Request military science is requested by only Jordanian students. The result of this course is based on pass/fail examination. Exempted from studding Military course are graduates of the Military Academy and school candidates and equivalent institutes. For non-Jordanians who did not choose this article to

choose between onset of other University elective courses, and in this case the intervention article tag in calculating the GPA.

** Exempt from studying this course, which gets 80% or more in an English placement test.

*** Non-Arabic-speaking, studying Arabic language articles:

- a. Arabic language for non-native speakers
- b. applied studies in Arabic language for non-native speakers.

2. University Elective Course Requirements: (15 Credit Hours)

All students must study (15 Credit Hours) from three Groups listed in the Tables below, with a minimum of one subject and maximum of two subjects from each group as listed below:

A. University requirements (Human Sciences) , (3-6 Credit hours):

| Course No. | Course Title | Credit Hours | Contact Hours | | Prerequisite |
|------------|---|--------------|---------------|-----|--------------|
| | | | Lecture | Lab | |
| 801102 | Arabic language (2) | 3 | 3 | 0 | 811101 |
| 802102 | English language skills (2) | 3 | 3 | 0 | 812101 |
| 804100 | Writing and editing news | 3 | 3 | 0 | ----- |
| 804106 | The Art of dialogue introduction and review | 3 | 3 | 0 | ----- |
| 801100 | The principles of library science | 3 | 3 | 0 | ----- |

B. University requirements (Social & Economical Sciences) , (3-6 Credit hours):

| Course No. | Course Title | Credit Hours | Contact Hours | | Prerequisite |
|------------|---|--------------|---------------|-----|--------------|
| | | | Lecture | Lab | |
| 803100 | Management and life (for Non-Admin. students) | 3 | 3 | 0 | ----- |
| 805103 | Human rights | 3 | 3 | 0 | ----- |
| 806102 | Islamic culture | 3 | 3 | 0 | ----- |
| 806103 | Arabic and Islamic civilization | 3 | 3 | 0 | ----- |
| 806104 | Jerusalem 5,000 years | 3 | 3 | 0 | ----- |

C. University requirements (Sci. Technology, Agriculture & Health) , (3-6 Credit hours):

| Course No. | Course Title | Credit Hours | Contact Hours | | Prerequisite |
|------------|-----------------------------|--------------|---------------|-----|--------------|
| | | | Lecture | Lab | |
| 808110 | First Aids | 3 | 3 | 0 | ----- |
| 807100 | Internet Skills | 3 | 3 | 0 | ----- |
| 807101 | Computer Skills (1) | 3 | 3 | 0 | 501099 |
| 806105 | Geography of Jordanian Tour | 3 | 3 | 0 | ----- |
| 806106 | Humans and the environment | 3 | 3 | 0 | ----- |

3. Faculty Compulsory Courses (30 Credit Hours):

Students must study (30 Credit Hours) from faculty of Pharmacy and other faculties as shown in the Table below:

| Course No. | Course Title | Credit Hours | Contact Hours | | Prerequisite |
|------------|---|--------------|---------------|-----|---------------------|
| | | | Lecture | Lab | |
| 861101 | General Physics | 2 | 2 | - | ----- |
| 854107 | Calculus | 2 | 2 | - | ----- |
| 854108 | Biostatistics | 2 | 2 | - | 854107 |
| 831201 | Computer programming | 2 | 2 | - | 854107 |
| 871101 | General Chemistry (1) | 3 | 3 | - | ----- |
| 871105 | Practical General Chemistry (1) | 1 | 0 | 3 | او 871101 متزامن |
| 871104 | General Chemistry (2) | 2 | 2 | - | 871101 |
| 871108 | General Biology | 3 | 3 | - | ----- |
| 871109 | Practical General Biology | 1 | 0 | 2 | او 871108 متزامن |
| 871112 | Pharmaceutical analytical chemistry | 3 | 3 | - | 871101 |
| 871115 | Practical pharmaceutical Analytical chemistry | 1 | 0 | 3 | او 871112 متزامن |
| | | | | | |
| 871202 | pharmaceutical Organic chemistry | 3 | 3 | - | 871104 |
| 871205 | Practical Pharmaceutical Organic Chemistry | 1 | 0 | 3 | او 871202 متزامن |
| 871232 | Pharmaceutical Biochemistry | 3 | 3 | - | 871202 |
| 871235 | Practical Pharmaceutical Biochemistry | 1 | 0 | 3 | او 871232 متزامن |
| | Total | 30 | | | |

4. Departmental Compulsory Courses (93 Credit Hours):

| Course No. | Course Title | Credit Hours | Contact Hours | | Prerequisite |
|------------|--|--------------|---------------|-----|---------------------|
| | | | Lecture | Lab | |
| 871212 | Pharmaceutical physical chemistry (1) | 3 | - | 3 | 871104 |
| 871215 | Practical Pharmaceutical Physical chemistry(1) | 1 | 3 | 0 | 871212 او متزامن |
| 871222 | Anatomy and tissues | 3 | - | 3 | 871108 |
| 871225 | Practical Anatomy and tissues | 1 | 3 | 0 | او 871222 متزامن |
| 871242 | Pharmaceutical physical chemistry (2) | 2 | - | 2 | 871212 |
| 871244 | Natural product chemistry | 2 | - | 2 | 871202 |

| | | | | | |
|--------|---|---|---------|---|---------------------|
| 871314 | Human Physiology | 2 | - | 2 | 871210 |
| 871315 | Human Physiology Laboratory | 1 | 3 | 0 | او 871314 متزامن |
| 871322 | Pharmacology (1) | 3 | - | 3 | 871232 |
| 871324 | Pharmaceutics (1) | 2 | - | 2 | 871232 |
| 871332 | Pharmaceutical Microbiology | 2 | - | 2 | 871222 |
| 871335 | Practical Pharmaceutical Microbiology | 1 | 3 | 0 | او 871332 متزامن |
| 871338 | Pharmaceutical Medicinal chemistry (1) | 2 | - | 2 | 871232 |
| 871342 | Automated analysis methods | 3 | - | 3 | 871115 |
| 871345 | Practical Automated analysis methods | 1 | 3 | 0 | او 871342 متزامن |
| 871352 | Pharmacology (2) | 2 | - | 2 | 871322 |
| 871354 | Pharmaceutics (2) | 3 | - | 3 | 871324 |
| 871355 | Practical Pharmacology (2) | 1 | 3 | 0 | او 871352 متزامن |
| 871358 | Physiology | 3 | - | 3 | 871314 |
| 871412 | Systems and Communication skills in pharmacy | 2 | - | 2 | 871322 |
| 871422 | Pharmacology (3) | 3 | - | 3 | 871322 |
| 871424 | Pharmaceutics (3) | 2 | - | 2 | 871334 |
| 871425 | Practical Pharmaceutics (3) | 1 | 3 | 0 | او 871424 متزامن |
| 871432 | Industrial pharmacy | 3 | - | 3 | 871354 |
| 871435 | Practical Industrial pharmacy | 1 | 3 | 0 | او 871432 متزامن |
| 871438 | Pharmaceutical laboratory | 1 | 3 | 0 | 871352 |
| 871442 | pharmaceutical Medical Chemistry (2) | 2 | - | 2 | 871338 |
| 871445 | Practical pharmaceutical Medical Chemistry (2) | 1 | 3 | 0 | او 871442 متزامن |
| 871452 | Pharmacokinetics | 3 | - | 3 | 871422 |
| 871455 | Practical pharmacokinetics | 1 | 3 | 0 | او 871452 متزامن |
| 871456 | Marketing pharmaceuticals | 2 | - | 2 | 871432 |
| 871458 | Medicines without prescription | 2 | - | 2 | 871424 |
| 871459 | Calculations and installation of pharmaceutical forms | 2 | - | 2 | 871422 |
| 871460 | Pharmaceutical Training* | 3 | 8 Weeks | - | 120Credit Hrs |
| 871512 | Radiation technology | 2 | - | 2 | 871442 |
| 871514 | Clinical pharmacy and Remedies (1) | 3 | - | 3 | 871458 |
| 871515 | Practical Clinical pharmacy and Remedies (1) | 1 | 3 | 0 | او 871514 متزامن |
| 871518 | Toxicology and Poisonous plants | 2 | - | 2 | 871442 |
| 871522 | Ethics, pharmacy laws | 2 | - | 2 | 871456 |
| 871523 | Quality control and drug design | 3 | - | 3 | 871456 |
| 871524 | Clinical Biochemistry | 2 | - | 2 | & 871232 871514 |
| 871525 | Practical Clinical Biochemistry | 1 | 3 | 0 | او 871524 متزامن |

| | | | | | |
|-------------------------------|--|-----------|---|---|---------------------|
| 871532 | Pharmacognosy and Phytochemistry | 3 | - | 3 | 871442 |
| 871535 | Laboratory of Pharmacognosy and Phytochemistry | 1 | 3 | 0 | 871532 او متزامن |
| 871538 | Clinical Pharmacology and Therapeutics (2) | 3 | - | 3 | 871514 |
| 871544 | Pathology and Immunology | 3 | - | 3 | & 871442 871358 |
| Total Credit Hours: 93 | | 93 | | | |

- Students register for the training period (after successful completion of 120 academic hours), and for eight weeks in a pharmacy approved by the University and in Jordan only. The student through during training may not register for any course during the summer, for whatever reason. The training student will be supervised by a member of the faculty staff, with an assessment exam will be hold at the end of training period

5. Departmental Elective Courses (9 Credit Hours):

The student must study three courses among the courses listed below:

| Course No. | Course Title | Credit Hours | Contact Hours Lecture | Hours Lab | Prerequisite |
|------------|-----------------------------------|--------------|--------------------------|--------------|--|
| 871561 | Selected topics in pharmacology | 3 | 3 | - | 4 th or 5 th year |
| 871563 | Clinical pharmacokinetics | 3 | 3 | - | 871452 |
| 871565 | Drug information systems | 3 | 3 | - | 871512 |
| 871566 | Ensuring the quality of medicines | 3 | 3 | - | 871414 |
| 871568 | Beauty salon | 3 | 3 | - | 871422 |
| 871570 | Beauty salon Practical | 1 | 0 | 3 | 871568 او متزامن |
| 871572 | Advanced Industrial Pharmacy | 3 | 3 | - | 871442 |
| 871574 | Practice of pharmaceutical care | 3 | 3 | - | 871523 |
| 871576 | Medicinal plants-toxic | 3 | 3 | - | 871456 |
| 871584 | Drug design methods | 3 | 3 | - | 871422 |
| 871588 | Radioactive drugs | 3 | 3 | - | 871442 |
| 871592 | Clinical nutrition | 3 | 3 | - | |

6. Free University Elective course (3 Credit Hour);

| | | | |
|-------|--------------|----------------|--------------------------------|
| ----- | Free Subject | 3 Credit hours | On agreement of the Department |
|-------|--------------|----------------|--------------------------------|

7. Remedial Requirements (0 Credit Hours):

Students must sit for placement tests in English Language, Arabic Language, and Computer science. Student who fail any of these tests are required to take the corresponding remedial course, as shown in the Table below:

| Course No. | Course Title | Credit Hours | Contact Hours | | Prerequisite |
|------------|---------------------------|--------------|---------------|-----|--------------|
| | | | Lecture | Lab | |
| 101099 | Arabic language-intensive | - | - | - | ----- |
| 102099 | English-intensive | - | - | - | ----- |
| 501099 | Computer skills-intensive | - | - | - | ----- |