

**School of Nursing**

# School of Nursing

## Officers of the School

|                      |   |
|----------------------|---|
| John Waterbury       | President   |
| Peter Heath          | Provost   |
| Nadim E. Cortas      | Vice President for Medical Affairs and The Raja N. Khuri Dean of the Faculty of Medicine and Medical Center |
| Huda Abu–Saad Huijer | Director of the School of Nursing   |

## Ex Officio Members

|                 |   |
|-----------------|---|
| Moueen Salameh  | Registrar   |
| Salim Kanaan    | Director of Admissions                                    |
| Helen Bikhazi   | University Librarian                                      |
| Hilda Nassar    | Medical Librarian   |
| Karma El Hassan | Director, Office of Institutional Research and Assessment |

## Historical Background

The School of Nursing, founded in 1905, was the first nursing school in the Middle East. The five–year Bachelor of Science in nursing program, established in 1936, was replaced in 1964 by a four–year program leading to the degree of Bachelor of Science in Nursing. Students entering the school as sophomores graduate in three calendar years. A two–year associate degree in the nursing program was established in 1980 and discontinued in 1984. Until 1978 the school was one of the components of the faculties of medical sciences. In 1978 it became a division in the Faculty of Health Sciences. In 1982 its status as a school was restored and placed within the Faculty of Medicine. The Bachelor of Science in Nursing Program (BSN) is registered by the Department of Education of New York State, HEGIS code 1203.00.

## Mission

The mission of the School of Nursing is to promote and maintain the highest educational standards of excellence, integrity, and professionalism in nursing, following the American model of nursing education and practice. The school aims to provide learning opportunities that will enable students to develop into competent nurses who respect cultural diversity while coordinating and delivering high–quality, compassionate nursing care in Lebanon and the region, guided by ethical principles. The faculty believes education is an interactive process between faculty and students with both taking responsibility for active learning. The baccalaureate program, drawn primarily from the humanities, sciences, and caring disciplines, focuses on the use of nursing theory and research as a basis for practice. The master’s program focuses on preparing nurses for advanced nursing practice roles, and is based on the use and generation of research–based knowledge to guide practice. Nursing students at AUB learn to think critically, develop professional attitudes and leadership skills, and appreciate the value of life–long learning and freedom of speech.

## Vision

The School of Nursing aspires to become the leading school of nursing in Lebanon and the region; nationally and internationally recognized for excellence in education, research, and service.

The school is committed to offering cutting-edge culturally-relevant and internationally recognized graduate and undergraduate education, fostering life-long learning and scholarship, developing the leaders in nursing and health care, and attracting a competent and culturally-diverse student body.

## Undergraduate Program Outline

### Admission

Students holding diplomas from a 12-year secondary school may gain admission to the School of Nursing as first year nursing students (see pp. 36–39 for required courses at the freshman level.) Freshman students wishing to transfer to the School of Nursing from AUB or another institution may gain admission provided they complete the required freshman courses.

### Bachelor of Science in Nursing

The School of Nursing follows the admission policies and criteria of the University. For further details see the section on Admissions on pp. 35–46 of this catalogue.

### RN–BSN Revised Program

The curriculum is designed to permit the graduates of a technical program in nursing to pursue the degree of Bachelor of Science in Nursing provided the university entrance requirements are met. The time limit for completion of the program should not exceed six calendar years. Clinical courses may be validated if applicable.

Preferred requirement for admission to the program is three years experience, in addition to the English Entrance Exam. The candidate may be asked to interview with the school's director and/or program coordinator.

### Second Degree in Nursing

A candidate with a bachelor's degree wishing to obtain a second degree in nursing is required to take prerequisites and all nursing courses with a minimum residency period of four semesters. Accepted candidates are assessed individually and their curriculum planned accordingly.

## Courses

### Numbers Preceding Course Titles

Nursing courses are numbered according to level and they normally follow a sequence. See curriculum for the bachelor of science in nursing and course descriptions on pp. 574–76.

### Numbers Following Course Titles

- The first number following the title of a course indicates the number of class hours per week.
- The second number indicates the clinical hours required each week.
- The last number indicates the number of credit hours applied toward graduation. The credit assigned to each course is stated for the semester.
- The last number indicates the number of credit hours applied toward graduation. The credit assigned to each course is stated for the semester.

### Frequency of Courses

Courses marked fall/spring/summer are offered accordingly during each academic year.

## Graduation Requirements

All recommendations for graduation are made by vote of the faculty, upon the recommendation of the academic committee.

To be eligible for graduation with the degree of Bachelor of Science in Nursing, the requirements include the following:

- completion of the prescribed program of study with a minimum of 110 credits after the freshman class or equivalent, 90 credits for those entering as registered nurses
- an overall average of 70, excluding freshman courses
- the maximum time allowed for the completion of the degree program should be within the following specified periods:

BSN I    eight calendar years  
BSN II   six calendar years  
BSN III  four calendar years  
BSN IV  two calendar years

Students must petition the academic committee for an extension of time if needed.

All undergraduate transfer students from AUB, or from other recognized institutions of higher learning, to the School of Nursing need to complete the required prerequisites and all required nursing courses. A minimum residency period of one year or 34 credits must be completed at AUB.

Course credits pertinent to the nursing curriculum may be transferred according to criteria set by the admission and academic committees.

## Licensing

Graduates are qualified for the licensing examination in Lebanon (Colloquium).

## Academic Rules and Regulations

For information on Academic Advisers, Categories of Students, Correct Use of Language, and Graduation with Distinction and High Distinction, see pp. 51–65 for General University Academic Information in this catalogue.

## Attendance

### Classes and Laboratories

- Students are expected to attend all classes, laboratories, and any other required activities. Absence by students, whether excused or not, from any class or laboratory session, does not excuse them from their responsibility for the work done or for any announcements made during their absence.
- Students who are absent from more than one fifth of the number of lectures of any course during a semester lose all credit for the course.
- Students may not be excused from laboratory and field requirements. All missed clinical and field requirements must be made up. In case of repeated absences from clinical courses, over one fifth of the total hours, the student may be asked to drop the course.
- A student who withdraws from a theory course has to withdraw from the corresponding clinical course.

### Examinations and Quizzes

- Students are not allowed to be absent from announced final examinations and quizzes unless they present an excuse considered valid by the coordinator of the course. The course coordinator may then require the student to take a make-up examination.
- Students taking non-nursing courses from the Faculty of Medicine and other faculties of the University are required to follow the attendance regulations of that faculty.

## Grading System

In the School of Nursing the following grading system is used:

|          |             |    |                   |
|----------|-------------|----|-------------------|
| 90–100   | Outstanding | I  | Incomplete        |
| 85–89    | Excellent   | P  | Pass              |
| 80–84    | Very Good   | PR | In Progress       |
| 75–79    | Good        | W  | Withdrew          |
| 70–74    | Fair        | X  | No Grade Reported |
| 60–69    | Weak        |    |                   |
| Below 60 | Fail        |    |                   |

- The passing grade in all nursing courses is 70.

## **Incomplete Grades**

- Incomplete course work will be reported as an “I” followed by a numerical grade reflecting the evaluation of the student available at the end of the semester. This evaluation is based on a grade of zero on all missed work and reported in units of five—thus a grade could be I 55 for example.
- For securing permission to complete the work for a course, a student must submit a valid excuse to the instructor of the course and the academic committee within two weeks from the date of the scheduled final exam for the course.
- Students permitted to complete work for a course must do so within four weeks from the start of the next regular semester. After the incomplete work is done and evaluated by the faculty member, a grade change will be considered by the director of the school (upon the recommendation of the academic committee) and a new grade reported to the Office of the Registrar.
- If no valid excuse is presented and the work, if permitted, is not completed within the time limits specified above, the “I” will be dropped, and the numeric grade available becomes the final grade in the course.
- For the purposes of averaging, the numeric grade is used, until changed, through the procedure set above.

## **Withdrawal from a Program**

To maintain student status, a student must register every semester, excluding the summer session, unless required by the program. Students who do not register can be readmitted provided they can complete the requirements within the time limit of the program.

## **Promotion**

Students shall be promoted at the end of the summer session after completion of 30 or more credits beyond the requirements from the previous level. However, students who register in October, lacking six or fewer credits for completion of a class, will be registered in the next higher class at the discretion of the academic committee. In order to be promoted, students must attain a minimum average of 65 in the sophomore year and 70 in the following years.

## **Placement on the Dean’s Honor List**

To be placed on the Dean’s Honor List at the end of a semester a student must

- carry at least twelve credits of courses other than those repeated
- not be on probation
- have passed all the courses of the semester and attained in all courses an overall average of 80, and rank approximately in the top 15% of the class
- not have been subjected to any disciplinary action within the University

## Failures and Deficiencies

### Placement on Probation

A student will be placed on probation for any of the following reasons:

- if the student fails two or more courses by the end of a semester
- if the student does not attain the minimum required semester average of
  - 65 for BSN II, or
  - 70 for the following years

Students in their freshman and sophomore years will be placed on probation at the end of their first semester only if they fail in one half or more of the credit hours carried.

These regulations do not apply to part-time students until they have completed at least 12 credits. For part-time students, a semester is defined as consecutive courses totaling 12 credits.

### Removal from Probation

Action to remove probation at the end of a semester or summer session will be taken provided the full-time student meets the following requirements:

- passes all courses taken during the semester or summer session
- achieves the minimum required average for that semester
- achieves the minimum yearly average required

### Repeating Courses

- A student may repeat any course with the consent of the adviser and course coordinator.
- All required courses that a student fails must be repeated. No course may be taken more than three times.
- When a course is repeated, the highest grade obtained will be considered in the calculation of the cumulative average.
- In exceptional cases a student may be allowed to take a make-up exam for a course failed, within four weeks from the start of the next regular semester. To do this, the student must have the approval of the course coordinator and the academic committee.

### Repeating the Year

The academic committee may require a student to repeat the year if the student

- fails in one third or more of the credit load attempted during that year
- or
- fails to remove probation within two semesters
- or
- fails to attain the minimum yearly average

A student repeating the year must register for a full load and repeat all courses in which the student has scored below the minimum required for that year.

## **Dismissal from the School of Nursing**

A student may be dismissed by vote of the faculty upon the recommendation of the academic committee if the student

- fails to remove probation within two semesters
- fails in one-third or more of the load attempted during that year and fails to attain the minimum yearly average
- fails to satisfy the requirements of a repeated year
- is not making satisfactory academic progress, has not shown sufficient professional promise, or has behaved in a manner below the norms expected by the school

## **Application for Readmission**

When, in accordance with university regulations, a student is dropped, the implication is that the student is not qualified to continue his/her education at the School of Nursing. Consideration for readmission is given for one of the following reasons:

- if the student was not able to do his/her work efficiently because of health reasons (in such cases, the school relies on a medical report from the university physician)
- if the adviser of the student or a faculty member or administrative official of the University knows of certain family problems that may have influenced the academic achievement of the student
- if, after spending one or two years at another institution, the student is able to present a satisfactory record and recommendation

Ordinarily, supporting documents for the first two reasons must be presented within 30 days after the student is dropped from the school, but in exceptional cases this presentation may be made at the beginning of the following regular semester.

If a student is on probation and leaves the University after the tenth week of the semester, the academic committee will decide whether the student will be allowed to return to the University.

## **Disciplinary Action**

A student engaging in academic misconduct, such as cheating on examinations or plagiarism, will be referred to the director and the advisory committee.

## **Awards**

### **Penrose Award**

A non-cash honorary award made on the basis of scholarship, character, leadership, and contribution to university life, and for an outstanding graduate of the school.

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## **Women's Auxiliary Awards**

- Emily Asfour
- Mary Crawford (Florence Nightingale)
- Poppy Haddad
- Najla Morston
- Henriette Sabra
- Hanneh Shahine
- Ann Smith
- Alexandra Jureidini


Cash and certificate awards are granted to senior students who meet the following criteria: academic achievement, professional integrity and seriousness of purpose, contribution to professional and university life, and willingness to join AUBMC after graduation.

## **Women's Auxiliary Contracted Scholarship**

Annette Hajjar Scholarship. Recipient should work at AUBMC for the contracted period.

## **Lions Award**

A non-cash award granted to an outstanding student who has been commended by the faculty of the School of Nursing.



# Curricula

## Bachelor of Science in Nursing

### First Year

Freshman curriculum requires completion of 30 credits. The following courses are required:

#### First Semester

MATH 101 (3 cr.), BIOL 101 (3 cr.), ENGL 102A or 102B<sup>2</sup> (3–5 cr.),  
Natural sciences<sup>3</sup> (3 cr.), Elective (3 cr.)

#### Second Semester

MATH 102 (3 cr.), CHEM 101 (3 cr.), ARAB 101 or ARAB 102<sup>4</sup> (3 cr.),  
Social Sciences<sup>3</sup> (3 cr.), Humanities<sup>3</sup> (3 cr.)

### Second Year

| First Semester <sup>5</sup> |     |                                  | No. of Weeks | Lecture Hrs. | Lab. or Clinical Hrs. <sup>1</sup> | Total Clock Hrs. | Credit Hrs. |
|-----------------------------|-----|----------------------------------|--------------|--------------|------------------------------------|------------------|-------------|
| BIOC                        | 246 | Biochemistry                     | 16           | 64           | –                                  | 64               | 4           |
| HUMR                        | 246 | Human Morphology                 | 16           | 32           | 32                                 | 64               | 3           |
| ENGL                        | 203 | Academic English <sup>2, 6</sup> | 16           | 48           | –                                  | 48               | 3           |
| PSYC                        | 202 | General Psychology               | 16           | 48           | –                                  | 48               | 3           |
| NURS                        | 200 | Introduction to Nursing          | 16           | 32           | –                                  | 32               | 2           |
| <b>Total</b>                |     |                                  |              |              |                                    | <b>256</b>       | <b>15</b>   |

| Second Semester |     |   | No. of Weeks | Lecture Hrs. | Lab. or Clinical Hrs. <sup>1</sup> | Total Clock Hrs. | Credit Hrs. |
|-----------------|-----|---|--------------|--------------|------------------------------------|------------------|-------------|
| PHYL            | 246 | Physiology                                | 16           | 64           | –                                  | 64               | 4           |
| MBIM            | 237 | Microbiology and Immunology               | 16           | 32           | 32                                 | 64               | 3           |
| NURS            | 201 | Introduction to Nursing Practice          | 16           | 32           | 40                                 | 80               | 3           |
| ENGL            | 204 | Advanced Academic English <sup>3, 6</sup> | 16           | 48           | –                                  | 48               | 3           |
| NURS            | 203 | Biostatistics for Nurses                  | 16           | 48           | –                                  | 48               | 3           |
| <b>Total</b>    |     |   |              |              |                                    | <b>304</b>       | <b>16</b>   |

1 One credit hour of laboratory is the equivalent of two clock hours weekly per semester; one nursing laboratory hour is the equivalent of three clock hours.

2 Level is decided by placement test in the Department of English, Faculty of Arts and Sciences.

3 Students are required to choose from the freshman courses in natural sciences, social sciences, and humanities.

Natural Sciences: BIOL 105 or 106; CHEM 102; GEOL 101, 102, or 103; PHYS 101, 103, or 200

Social Sciences: ECON 103; PSPA 101

Humanities: AROL 101, CVSP 110, 111, 112, or 150; ENGL 103, 104, 105, 106, 107, or 108; HIST 101, 102, or 200; PHIL 101 or 102

4 For Arabic speaking students. For others, credits have to be replaced by an elective.

5 Biology 210 is required of math students in the second year.

6 Students exempted from ENGL 203 do not need to replace the three credits for graduation.

| Summer Session |     |                              | No. of Weeks | Lecture Hrs. | Lab. or Clinical Hrs. <sup>1</sup> | Total Clock Hrs. | Credit Hrs. |
|----------------|-----|------------------------------|--------------|--------------|------------------------------------|------------------|-------------|
| NURS           | 202 | Health Assessment            | 8            | 16           | 48                                 | 64               | 2           |
| NURS           | 310 | Pathophysiology              | 8            | 32           | –                                  | 32               | 2           |
| PSYC           | 229 | Human Growth and Development | 8            | 48           | –                                  | 48               | 3           |
| <b>Total</b>   |     |                              |              |              |                                    | <b>144</b>       | <b>7</b>    |

**Third Year**

| First Semester |     |   | No. of Weeks | Lecture Hrs. | Lab. or Clinical Hrs. <sup>1</sup> | Total Clock Hrs. | Credit Hrs. |
|----------------|-----|---|--------------|--------------|------------------------------------|------------------|-------------|
| NURS           | 300 | Nursing Care of Adults I, Theory                | 16           | 48           | –                                  | 48               | 3           |
| NURS           | 301 | Nursing Care of Adults I, Practicum             | 16           | –            | 144                                | 144              | 3           |
| NURS           | 304 | Nursing Care of the Expectant Family, Theory    | 16           | 48           | –                                  | 48               | 3           |
| NURS           | 305 | Nursing Care of the Expectant Family, Practicum | 16           | –            | 144                                | 144              | 3           |
| PHRM           | 240 | Pharmacology                                    | 16           | 48           | –                                  | 48               | 3           |
| <b>Total</b>   |     |   |              |              |                                    | <b>432</b>       | <b>15</b>   |

| Second Semester |     |                                      | No. of Weeks | Lecture Hrs. | Lab. or Clinical Hrs. <sup>1</sup> | Total Clock Hrs. | Credit Hrs. |
|-----------------|-----|--------------------------------------|--------------|--------------|------------------------------------|------------------|-------------|
| NURS            | 302 | Nursing Care of Adults II, Theory    | 16           | 48           | –                                  | 48               | 3           |
| NURS            | 303 | Nursing Care of Adults II, Practicum | 16           | –            | 144                                | 144              | 3           |
| NURS            | 306 | Nursing Care of Children, Theory     | 16           | 48           | –                                  | 48               | 3           |
| NURS            | 307 | Nursing Care of Children, Practicum  | 16           | –            | 144                                | 144              | 3           |
| Elective        |     |                                      | 16           | 48           | –                                  | 48               | 3           |
| <b>Total</b>    |     |                                      |              |              |                                    | <b>432</b>       | <b>15</b>   |

| Summer Session |     |                                      | No. of Weeks | Lecture Hrs. | Lab. or Clinical Hrs. <sup>1</sup> | Total Clock Hrs. | Credit Hrs. |
|----------------|-----|--------------------------------------|--------------|--------------|------------------------------------|------------------|-------------|
| SOAN           | 201 | Introduction to the Study of Society | 8            | 48           | –                                  | 48               | 3           |
| CVSP           |     | Seq. I <sup>7</sup>                  | 8            | 48           | –                                  | 48               | 3           |
| Elective       |     |                                      | 8            | 48           | –                                  | 48               | 3           |
| <b>Total</b>   |     |                                      |              |              |                                    | <b>144</b>       | <b>9</b>    |

7 Sequence I: one of the following courses: CVSP 201, CVSP 202, CVSP 205, CVSP 207

**Fourth Year**

| <b>First Semester</b> |     |  | <b>No. of Weeks</b> | <b>Lecture Hrs.</b> | <b>Lab. or Clinical Hrs.<sup>1</sup></b> | <b>Total Clock Hrs.</b> | <b>Credit Hrs.</b> |
|-----------------------|-----|--|---------------------|---------------------|--|-------------------------|--------------------|
| NURS                  | 400 | Critical Care Nursing, Theory                    | 16                  | 48                  | –  | 48                      | 3                  |
| NURS                  | 401 | Critical Care Nursing, Practicum                 | 16                  | –                   | 144                                      | 144                     | 3                  |
| NURS                  | 402 | Mental Health and Psychiatric Nursing, Theory    | 16                  | 48                  | –  | 48                      | 3                  |
| NURS                  | 403 | Mental Health and Psychiatric Nursing, Practicum | 16                  | –                   | 144                                      | 144                     | 3                  |
| NURS                  | 406 | Nursing Research                                 | 16                  | 48                  | –  | 48                      | 3                  |
| NURS                  | 404 | Nursing Informatics                              | 16                  | 32                  | –  | 32                      | 2                  |
| <b>Total</b>          |     |  |                     |                     |  | <b>432</b>              | <b>17</b>          |

| <b>Second Semester</b> |     |   | <b>No. of Weeks</b> | <b>Lecture Hrs.</b> | <b>Lab. or Clinical Hrs.<sup>1</sup></b> | <b>Total Clock Hrs.</b> | <b>Credit Hrs.</b> |
|------------------------|-----|---|---------------------|---------------------|--|-------------------------|--------------------|
| NURS                   | 407 | Community Health Nursing, Theory                | 16                  | 48                  | –  | 48                      | 3                  |
| NURS                   | 408 | Community Health Nursing, Practicum             | 16                  | –                   | 144                                      | 144                     | 3                  |
| NURS                   | 409 | Leadership and Management in Nursing, Theory    | 16                  | 48                  | –  | 48                      | 3                  |
| NURS                   | 410 | Leadership and Management in Nursing, Practicum | 16                  | –                   | 144                                      | 144                     | 3                  |
| CVSP                   |     | Seq. II <sup>8</sup>                            | 16                  | 48                  | –  | 48                      | 3                  |
| <b>Total</b>           |     |   |                     |                     |  | <b>432</b>              | <b>15</b>          |
| <b>Grand Total</b>     |     |   |                     |                     |  | <b>2,656</b>            | <b>109</b>         |

8 Sequence II: one of the following courses: CVSP 203, CVSP 204, CVSP 206, CVSP 208

## RN–BSN (Revised)

### First year

| First Semester |     |                                | No. of Weeks | Lecture Hrs. | Lab. or Clinical Hrs. <sup>9</sup> | Total Clock Hrs. | Credit Hrs. |
|----------------|-----|--------------------------------|--------------|--------------|------------------------------------|------------------|-------------|
| BIOC           | 246 | Biochemistry                   | 16           | 64           | –                                  | 64               | 4           |
| ENGL           | 203 | Academic English <sup>10</sup> | 16           | 48           | –                                  | 48               | 3           |
| HUMR           | 246 | Human Morphology               | 16           | 32           | 32                                 | 64               | 3           |
| PSYC           | 229 | Human Growth and Development   | 16           | 48           | –                                  | 48               | 3           |
| <b>Total</b>   |     |                                |              |              |                                    | <b>224</b>       | <b>13</b>   |

| Second Semester |     |                                    | No. of Weeks | Lecture Hrs. | Lab. or Clinical Hrs. <sup>1</sup> | Total Clock Hrs. | Credit Hrs. |
|-----------------|-----|------------------------------------|--------------|--------------|------------------------------------|------------------|-------------|
| PHYL            | 246 | Physiology                         | 16           | 64           | –                                  | 64               | 4           |
| MBIM            | 237 | Microbiology or validate           | 16           | 32           | 32                                 | 64               | 3           |
| NURS            | 310 | Pathophysiology                    | 16           | 32           | –                                  | 32               | 2           |
| NURS            | 205 | Foundation of Professional Nursing | 16           | 32           | –                                  | 32               | 2           |
| NURS            | 203 | Biostatistics for Nurses           | 16           | 48           | –                                  | 48               | 3           |
| Elective        |     |                                    | 16           | 48           | –                                  | 48               | 3           |
| <b>Total</b>    |     |                                    |              |              |                                    | <b>280</b>       | <b>17</b>   |

| Summer Session |     |                            | No. of Weeks | Lecture Hrs. | Lab. or Clinical Hrs. <sup>1</sup> | Total Clock Hrs. | Credit Hrs. |
|----------------|-----|----------------------------|--------------|--------------|------------------------------------|------------------|-------------|
| PHRM           | 240 | Pharmacology <sup>11</sup> | 8            | 48           | –                                  | 48               | 3           |
| NURS           | 308 | Maternal–Child Nursing     | 8            | 48           | 144                                | 192              | 6           |
| <b>Total</b>   |     |                            |              |              |                                    | <b>240</b>       | <b>9</b>    |

<sup>9</sup> One credit hour of laboratory is the equivalent of two clock hours weekly per semester; one nursing laboratory hour is the equivalent of three clock hours.

<sup>10</sup> Level is decided by placement test in the Department of English, Faculty of Arts and Sciences. Students exempted from ENGL 203 will have to replace credits.

<sup>11</sup> Students who have taken PHRM 240 at AUB will be exempted after passing a validation exam. Credits will be replaced by an elective.

**Second Year**

| First Semester |     |                                      | No. of Weeks | Lecture Hrs. | Lab. or Clinical Hrs. <sup>1</sup> | Total Clock Hrs. | Credit Hrs. |
|----------------|-----|--------------------------------------|--------------|--------------|------------------------------------|------------------|-------------|
| SOAN           | 201 | Introduction to the Study of Society | 16           | 48           | –                                  | 48               | 3           |
| PSYC           | 202 | General Psychology                   | 16           | 48           | –                                  | 48               | 3           |
| ENGL           | 204 | Advanced Academic English            | 16           | 48           | –                                  | 48               | 3           |
| CVSP           |     |                                      | 16           | 48           | –                                  | 48               | 3           |
| Elective       |     | Seq. I <sup>12</sup>                 |              | 48           | –                                  | 48               | 3           |
| <b>Total</b>   |     |                                      |              |              |                                    | <b>240</b>       | <b>15</b>   |

| Second Semester |     |   | No. of Weeks | Lecture Hrs. | Lab. or Clinical Hrs. <sup>1</sup> | Total Clock Hrs. | Credit Hrs. |
|-----------------|-----|---|--------------|--------------|------------------------------------|------------------|-------------|
| NURS            | 312 | Mental Health and Psychiatric Nursing, Theory and Practicum | 16           | 48           | 144                                | 192              | 6           |
| NURS            | 313 | Leadership and Management in Nursing, Theory and Practicum  | 16           | 48           | 144                                | 192              | 6           |
| CVSP            |     | Seq. II <sup>13</sup>                                       | 16           | 48           | –                                  | 48               | 3           |
| <b>Total</b>    |     |   |              |              |                                    | <b>432</b>       | <b>15</b>   |

| Summer Session |     |  | No. of Weeks | Lecture Hrs. | Lab. or Clinical Hrs. <sup>1</sup> | Total Clock Hrs. | Credit Hrs. |
|----------------|-----|--|--------------|--------------|------------------------------------|------------------|-------------|
| NURS           | 311 | Nursing Care of Adults, Theory and Practicum | 8            | 48           | 144                                | 192              | 6           |
| <b>Total</b>   |     |  |              |              |                                    | <b>192</b>       | <b>6</b>    |

**Third Year**

| First Semester     |     |  | No. of Weeks | Lecture Hrs. | Lab. or Clinical Hrs. <sup>1</sup> | Total Clock Hrs. | Credit Hrs. |
|--------------------|-----|--|--------------|--------------|------------------------------------|------------------|-------------|
| NURS               | 404 | Nursing Informatics                            | 16           | 32           | 32                                 | 32               | 2           |
| NURS               | 405 | Critical Care Nursing, Theory and Practicum    | 16           | 32           | 96                                 | 128              | 4           |
| NURS               | 406 | Nursing Research                               | 16           | 48           | –                                  | 48               | 3           |
| NURS               | 314 | Community Health Nursing, Theory and Practicum | 16           | 48           | 144                                | 192              | 6           |
| <b>Total</b>       |     |  |              |              |                                    | <b>400</b>       | <b>15</b>   |
| <b>Grand Total</b> |     |  |              |              |                                    | <b>2048</b>      | <b>90</b>   |

12 Sequence I: one of the following courses: CVSP 201, CVSP 202, CVSP 205, CVSP 207

13 Sequence II: one of the following courses: CVSP 203, CVSP 204, CVSP 206, CVSP 208

## Course Descriptions

- NURS 200 Introduction to Nursing 2.0; 2 cr.**  
Introduces concepts basic to the nursing profession. The nature of nursing as a profession, past, present, and future, is studied with a focus on the role of nurses in meeting the health needs of humanity throughout the health–illness continuum. *Fall.*
- NURS 201 Introduction to Nursing Practice 2.2.5; 3 cr.**  
This course introduces students to concepts and interventions basic to nursing practice. The course uses the nursing process as the organizing framework, and the concepts of health, nursing, client, and environment are integrated throughout. Performance of basic client care skills are emphasized, including the scientific rationale for both health promoting and health restoring nursing interventions. *Prerequisites: NURS 200 and HUMR 246. Spring.*
- NURS 202 Health Assessment 1.3; 2 cr.**  
The course focuses on assessment of health across the life span and provides the student with the knowledge and skills needed to assess the health status of individuals from infancy to old age. Emphasis is placed on assessment of the physical, psychosocial, and cultural dimensions of the individual. The course includes lectures and practical experiences in the assessment of individuals to identify normal and abnormal findings. *Prerequisites: NURS 201 and MBIM 237. Summer.*
- NURS 203 Biotatistics for Nurses 3.0; 3cr.**  
This course is designed to introduce the BSN students to the concepts and applications of statistics in the nursing field. The course starts with a general overview of probability, types of data, and ways to summarize and present them. The course then introduces the concept of hypothesis testing and the methods to carry them. Applications on the computer using the SPSS software will be discussed in class.
- NURS 205 Foundation of Professional Nursing 2.0; 2 cr.**  
In this course students will explore recent issues affecting the nursing profession in terms of role expansion of the nurse. The nursing process is covered as an organizing framework for nursing practice.
- NURS 300 Nursing Care of Adults I, Theory 3.0; 3 cr.**  
Facilitates the development of knowledge and application of scientific principles in the care of clients representing medical–surgical problems of the adult population. This course builds on the framework of human, environment, health status, and nursing. *Prerequisites: NURS 202 and NURS 310. Fall.*
- NURS 301 Nursing Care of Adults I, Practicum 0.9; 3 cr.**  
Provides an opportunity for clinical application of concepts stated in NURS 300 in support of clients and their families. *Prerequisite: consent of instructor. Fall.*
- NURS 302 Nursing Care of Adults II, Theory 3.0; 3 cr.**  
A continuation of NURS 300. Emphasis is placed on the following dysfunctions: metabolic and endocrine, neurologic, Eye Ear Nose Throat, renal and urinary, integumentary, hepatic and biliary, rheumatic, and the infectious process. *Prerequisites: PHRM 240, NURS 300, and NURS 301. Spring.*
- NURS 303 Nursing Care of Adults II, Practicum 0.9; 3 cr.**  
Provides an opportunity for the clinical application of the knowledge of concepts stated in NURS 302 in a variety of settings utilizing the nursing process. *Prerequisite: consent of instructor. Spring.*

**NURS 304                      Nursing Care of the Expectant Family, Theory                      3.0; 3 cr.**

Focuses on the reproductive health of the family, from conception to the neonatal period. Theoretical content stresses the nurse's role in reproductive health and reproductive risk. *Prerequisites: NURS 202 and NURS 310. Fall.*

**NURS 305                      Nursing Care of the Expectant Family, Practicum                      0.9; 3 cr.**

Provides a clinical application of knowledge acquired in NURS 304, focusing on women in the childbearing cycle, the newborn, and families as clients in the hospital and outpatient settings. Using the nursing process the student provides acute care and promotes reproductive health. *Prerequisite: consent of instructor. Fall.*

**NURS 306                      Nursing Care of Children, Theory                      3.0; 3 cr.**

Focuses on the individual within the family setting, from infancy through adolescence. This course covers topics including ambulatory as well as in-patient care, and focuses on primary as well as secondary and tertiary care. Care is based on the nursing process. The role of the nurse as an advocate, health teacher, and nurturer is stressed. *Prerequisites: PHRM 240, NURS 304, NURS 305, and PSYC 229. Spring.*

**NURS 307                      Nursing Care of Children, Practicum                      0.9; 3 cr.**

Provides an opportunity for nursing students to assess health needs of patient(s) and children based on knowledge of normal growth and development, and on evidence of health and disease, and to implement indicated nursing care. Hence, students will be able to function effectively in the health care delivery system. *Prerequisites: consent of instructor. Spring.*

**NURS 308V                      Maternal Child Nursing, Theory and Practicum                      3.9; 6 cr.**

This course focuses on the childbearing family from conception to the newborn period as well as primary and tertiary care of the ill child from infancy to adolescence. The clinical component emphasizes the application of knowledge acquired in class in the care of the childbearing family and children with illnesses from infancy to adolescence. *Prerequisites: NURS 310 and PSYC 229.*

**NURS 310                      Pathophysiology                      2.0; 2 cr.**

Focuses on the alterations in biologic process that affect body dynamic equilibrium or homeostasis. The content of this course is organized into three areas of focus based on the health-illness continuum: 1) control of normal body function 2) pathophysiology or alteration in body function 3) system or organ failure. *Prerequisites: BIOC 246, HUMR 246, PHYL 246, and MBIM 237. Summer.*

**NURS 311                      Nursing Care of Adults, Theory and Practicum                      3.9; 6 cr.**

Facilitates the development of advanced knowledge and application of scientific principles in the care of clients representing medical-surgical problems of the adult population. This course builds on the framework of person, environment, health status, and nursing. The clinical component provides an opportunity for advanced clinical application of concepts discussed in class in the care of patients and their families. *Prerequisite: NURS 310.*

**NURS 312                      Mental Health and Psychiatric Nursing, Theory and Practicum                      3.9; 6 cr.**

The holistic philosophy of clients as bio-psycho-social entities is stressed in both mental health and mental illness. General theories of psychiatry and mental health therapies are presented. The course provides clinical experience in psychiatric-mental health settings. Emphasis is placed on the quality of coping abilities of clients in varying degrees of stress and crisis. Opportunities are provided for students to work collaboratively with multi-disciplinary health teams to assess, plan, and implement relevant nursing interventions in both mental health and illness. *Prerequisites: senior standing, SOAN 201, and PSYC 202. Fall and spring.*

**NURS 313 Leadership and Management in Nursing, Theory and Practicum 3.9; 6 cr.**

This course discusses concepts of leadership, management, creativity, analysis, power, change, and evaluation. Students investigate, analyze, and conceptualize the different modalities of leadership, utilizing nursing and management theories. The practicum allows the student to explore his/her role as a potential leader. The learner observes and assists in the practice of different modalities of leadership and managerial skills in a variety of health care settings.

*Prerequisite: approval of instructor.*

**NURS 314 Community Health Nursing, Theory and Practicum 3.9; 6 cr.**

The course provides knowledge in the broad area of the field of nursing, public health, and primary health care. The levels of prime concern are the small group, including the family and its individual members, and the large group, including the community. The focus of the clinical component is on the promotion and maintenance of high levels of health and well-being, and prevention of illness and disability. *Prerequisite: consent of instructor. Fall and spring.*

**NURS 400 Critical Care Nursing, Theory 3.0; 3 cr.**

Focuses on the development of knowledge in the care of clients with critical care problems. Emphasis is placed on cardiovascular and respiratory problems, neurologic disturbances, shock, sepsis, metabolic and endocrine imbalances, altered nutrition, renal failure, and emergency and disaster nursing. *Prerequisites: NURS 302 and NURS 303. Fall.*

**NURS 401 Critical Care Nursing, Practicum 0.9; 3 cr.**

Focuses on the application of the theoretical content of NURS 400 in a variety of critical care areas. *Prerequisites: consent of instructor. Fall.*

**NURS 402 Mental Health and Psychiatric Nursing, Theory 3.0; 3 cr.**

Provides the mental health setting for self-awareness and therapeutic use of self in effective communication. The holistic philosophy of clients as bio-psycho-social entities is stressed in both mental health and mental illness. General theories of psychiatry and mental health therapies are presented. *Prerequisites: senior standing, SOAN 201, and PSYC 202. Fall and spring.*

**NURS 403 Mental Health and Psychiatric Nursing, Practicum 0.9; 3 cr.**

Provides clinical experience in psychiatric-mental health settings. Emphasis is placed on the quality of coping abilities of clients in varying degrees of stress and crisis. Opportunities are provided for students to work collaboratively with multi-disciplinary health teams to assess, plan, and implement relevant nursing interventions. *Prerequisites: senior standing, consent of instructor. Fall and spring.*

**NURS 404 Nursing Informatics 2.0; 2 cr.**

This course focuses on the history of health care informatics, basic informatics concepts, and health information management applications. The student progresses along a continuum: from developing knowledge and understanding of basic concepts and methods of health care informatics; to learning about specific information management applications in health care administration, practice, education, and research; and finally to a hands-on experience with a specific application of his/her own choosing. *Prerequisite: senior standing. Fall.*

**NURS 405 Critical Care Nursing, Theory and Practicum 2.6; 4 cr.**

This course addresses the management of critically ill adults. Emphasis is placed on diagnostic reasoning, interventions, and outcome assessment in patients presenting with complex cardiovascular, respiratory, renal and metabolic problems, as well as trauma. The clinical component provides experiences where students apply concepts learned in class in critical care areas in the hospital. *Prerequisite: NURS 311.*

**NURS 406                      Nursing Research                      3.0; 3 cr.**  
Focuses on the process involved in the scientific approach and its application to nursing. Special emphasis is on the basic research steps, the research design, assessment measures, and data analysis with a focus on research utilization. *Prerequisites: senior standing or approval of instructor, EPHD 201, and EPHD 202. Fall.*

**NURS 407                      Community Health Nursing, Theory                      3.0; 3 cr.**  
Provides knowledge in the broad area of the field of nursing, public health, and primary health care. The levels of prime concern are the small group, including the family and its individual members, and the large group, including the community. *Prerequisites: senior standing, SOAN 201, EPHD 201, EPHD 202. Fall and spring.*

**NURS 408                      Community Health Nursing, Practicum                      0.9; 3 cr.**  
Provides field practice through team relationships with other health professionals. The course's primary focus of practice is on the promotion and maintenance of high levels of health and well-being, and prevention of illness and disability. *Prerequisites: senior standing, consent of instructor. Fall and spring.*

**NURS 409                      Leadership and Management in Nursing, Theory                      3.0; 3 cr.**  
Discusses how professional nursing incorporates the concepts of leadership, management, creativity, analysis, power, change, and evaluation. In this course students investigate, analyze, and conceptualize the different modalities of leadership, utilizing nursing and management theories. *Prerequisite: senior standing. Spring.*

**NURS 410                      Leadership and Management in Nursing, Practicum                      0.9; 3 cr.**  
Allows the student to explore his/her role as a potential leader. The learner observes and assists in the practice of different modalities of leadership and managerial skills in a variety of health care settings. *Prerequisite: senior standing. Spring.*

# Graduate Program

## Admission

### Master of Science in Nursing

A student is eligible for consideration for admission to the Master of Science in Nursing (MSN) program if s/he fulfills the following AUB admission requirements for graduate studies:

- a bachelor's degree in nursing from AUB or its equivalent degree from another recognized institution, with an undergraduate average of at least 80 in the major field of study (nursing)
- English Entrance Exam or Test of English as a Foreign Language as per AUB requirements for graduate studies
- a license to practice nursing from country of residence
- evidence of knowledge and competence in physical assessment skills
- one-year of work experience in nursing

The program admits both full-time and part-time students, provided the student completes all program requirements within a maximum period of four years. Extension beyond the maximum allowed period of study requires approval by the graduate committee of the school. Candidates who fail to meet any of the admission requirements but who, in the opinion of the faculty, demonstrate potential for graduate study, are admitted as 'graduate on probation.' Students with an undergraduate average of at least 75 but less than 80 in the major field (nursing) may be admitted conditionally and placed on probation; they should score 80 or above in the first nine graduate credits.

### MSN Tracks

The School of Nursing offers two tracks:

- MSN in adult care, with an optional minor in education
- MSN in nursing administration

Both thesis and non-thesis options are available for both tracks.

## Graduation Requirements

All recommendations for graduation are made by a vote of the faculty, upon the recommendation of the Graduate Studies Committee. To be eligible for graduation from the MSN program, the student must have

- passed all required courses with a minimum grade of 70 per course
- achieved a cumulative average of at least 80
- completed a total of 36 credit hours, or 39 credit hours for students minoring in education

# Academic Rules and Regulations

## Transfer of Credits

Graduate courses taken beyond the requirements for the bachelor's at AUB, or at other recognized institutions, are not transferable for credit toward the requirements for the MSN unless the student attains an average of at least 80 in the nursing courses. Only courses in which the student scored 80 or above may be transferred. No more than six credits (nine credits for non-thesis programs) are transferable. Approval by the Graduate Committee of the School of Nursing is required for all transfers.

## Supervision, Courses, and Grades

Every graduate student is assigned an academic adviser to guide and help in planning the student's course of study. Not all courses need to be in nursing, but they should be, in the judgment of the department, relevant to the field in which the student is specializing. For students working toward a thesis, a thesis adviser is assigned who must be a full-time faculty member and who will serve as chairperson of the thesis committee. The thesis adviser and committee members must be of professorial rank.

Graduate level courses in nursing are numbered 500 and above. The minimum passing grade for a graduate course is 70. However, students are required to maintain a cumulative average of at least 80 in all courses taken for graduate credit. Students who are absent without excuse for more than one third of the number of sessions in any course, or who fail to sit for scheduled examinations, or who fail to fulfill course requirements, will be given the minimum grade for graduate courses, which is 55. Results of tutorial courses, projects, or theses will be reported as pass (P) or fail (F).

Students admitted with deficiencies may need to register for prerequisite courses that are undergraduate courses; such courses do not carry any graduate credit. The minimum passing grade for a prerequisite course is 80.

## Probation and Dismissal

A student working toward an MSN degree may be placed on probation by the School of Nursing graduate committee if s/he

- is admitted to graduate study on probation and
- fails in any course taken for graduate credit and
- does not maintain the cumulative average of 80

The probation may be removed upon the recommendation of the graduate committee of the school if the student has completed a minimum of nine credits of graduate level courses within the two consecutive semesters after being placed on probation, has passed all courses, and has obtained the cumulative average of 80. If the student fails to meet any of these conditions, s/he will be dropped from the program.

The graduate committee may drop a student from graduate study if

- probation is not removed within two semesters in which the courses that are taken are for credit
- or
- in the opinion of the department, and irrespective of the grades obtained, the work of the student is deemed unsatisfactory
- or
- the student fails the comprehensive examination twice, or fails the thesis defense twice

## Comprehensive Examination

A student must pass a comprehensive examination after completion of most of the course requirements for the MSN degree. The graduate committee of the School of Nursing sets the time of the examination. The purpose of the examination is to ascertain the student's knowledge of his/her field of specialization. The student who does not pass the comprehensive examination may take it a second time after a period of at least three months.

## Thesis/Project

For those students enrolled in the MSN with thesis option, the student must submit a thesis based on original, independent research. The thesis must be in English. An abstract not exceeding 350 words must be submitted with the thesis. Once approval for writing the thesis/project is granted, the student must ensure the thesis/project conforms to the guidelines outlined in the University Thesis Manual found in the library. Applying the manual style to the thesis is mandatory, and theses not conforming to manual requirements will not be accepted. The student must submit copies of the thesis to the members of the thesis committee, unbound but ready for binding, at least two weeks before the thesis defense.

Students may opt for a three credit project; if so, a three credit elective course in a related area should be taken.

## Thesis Committee

The master's thesis committee should be composed of at least three members approved by the faculty graduate committee. The proposal of the thesis topic and the selection of the adviser and members of the thesis committee members should be approved by the graduate committee at least four months before the student defends the thesis. It is advisable that the thesis committee include one member from outside the School of Nursing (this member can be from an institution outside AUB). All committee members should hold professorial rank. The thesis committee approves the thesis topic and research program, and conducts the thesis defense.

## Thesis Defense

The thesis defense is open to the public and must be carried out no later than October 30, March 1, or June 10, for students wishing to graduate at the end of the fall semester, spring semester, or summer session, respectively.

'Pass' or 'Fail' is reported for the thesis and defense. In case of failure, the student may resubmit the thesis and defend it after a period of at least three months. Failure the second time leads to discontinuation from graduate work.

Students must be registered for the thesis, or at least one course in the session during which they expect to graduate, in order to present their defense.

## Deposit of Thesis in the Library

After passing the thesis defense examination the student is required to deposit two hard copies and a CD copy of the thesis to the Saab Medical Library. A library receipt of these copies must be delivered to the Office of the Registrar before the student is awarded the degree. The student should sign a release form indicating whether or not the library is authorized to supply copies of the thesis to other libraries or to individuals. The non-authorization option is valid for a period of two years only, after which copies of the thesis will be supplied on request.

## Specific Requirements for the Master's Degree

Refer to the Graduate Studies section in this catalogue.

## Curriculum

### Masters of Science in Nursing

| <b>Core Course</b>                                   | <b>Lecture Hrs./ Week</b> | <b>Clinical Hrs./ Week</b> | <b>Credit Hrs.</b> |
|--|---------------------------|----------------------------|--------------------|
| NURS 500 Nursing Theory                              | 2                         | 0                          | 2                  |
| NURS 501 Foundations of Advanced Practice            | 3                         | 0                          | 3                  |
| NURS 502 Advanced Nursing Research                   | 4                         | 0                          | 4                  |
| <b>Role Development Courses</b>                      |                           |                            |                    |
| NURS 507 Role Development in Nursing Administration  | 3                         | 0                          | 3                  |
| NURS 509 Role Development in Nursing Education       | 3                         | 0                          | 3                  |
| <b>Concentration Courses</b>                         |                           |                            |                    |
| <b>Adult Care Track</b>                              |                           |                            |                    |
| NURS 503 Advanced Health Assessment                  | 2                         | 3                          | 3                  |
| NURS 504 Advanced Practice in Adult Care I           | 4                         | 0                          | 4                  |
| NURS 505 Advanced Practice in Adult Care II          | 2                         | 6                          | 4                  |
| NURS 506 Advanced Practice in Adult Care III         | 0                         | 12                         | 4                  |
| <b>Nursing Administration Track</b>                  |                           |                            |                    |
| NURS 508 Advanced Practice in Nursing Administration | 0                         | 15                         | 5                  |
| HMPD 342 Financial Management and Accounting         | 3                         | 0                          | 3                  |
| BUSS 310 Effective Communications                    | 1                         | 0                          | 1                  |
| NURS 520 Managing Quality with Teams                 | 3                         | 0                          | 3                  |
| MNGT 319 Change Management                           | 3                         | 0                          | 3                  |
| MNGT 332 Human Capital Management                    | 3                         | 0                          | 3                  |
| <b>Minor in Education</b>                            |                           |                            |                    |
| EDU 317 Theory and Methods of Testing                | 3                         | 0                          | 3                  |
| EDU 326 Theory and Design of Curriculum              | 3                         | 0                          | 3                  |
| <b>Thesis/Project</b>                                |                           |                            |                    |
| NURS 599 Thesis                                      | –                         | –                          | 6                  |
| or   |                           |                            |                    |
| NURS 598 Project                                     | –                         | –                          | 3                  |
| and  |                           |                            |                    |
| Elective   | –                         | –                          | 3                  |
| <b>Electives/Special Topic</b>                       |                           |                            |                    |
|  | 3                         | 0                          | 3                  |

Students may take a 3-credit course as an elective in any major that helps them toward their studies. For students doing a minor in nursing education, the elective must be in education.

The School of Nursing also offers special topic courses ranging from 1 to 3 credits that cover nursing topics of interest to students in the various tracks; those courses can be counted toward the elective credits.

## Course Description

### **NURS 500                      Nursing Theory                      2.0; 2 cr.**

This course provides analysis and evaluation of nursing theories and conceptual frameworks with implications for practice and research. Overview of theory development is presented with a focus on the students' area of study.

### **NURS 501                      Foundations of Advanced Practice                      3.0; 3 cr.**

The course provides students with knowledge about the advanced nursing practice (ANP) role, and focuses on the foundations and philosophy of care. Legal and ethical issues related to ANP, such as regulation, are explored. The role of nursing in affecting health care system change is emphasized.

### **NURS 502                      Advanced Nursing Research                      4.0; 4 cr.**

This course focuses on complex research designs and analysis of multiple variables. The interrelationship of theoretical frameworks, quantitative/qualitative design, sample selection, data collection instruments, and data analysis are analyzed in terms of clinical nursing research problems.

### **NURS 503                      Advanced Health Assessment                      2.3; 3 cr.**

This course focuses on the advanced comprehensive assessment of individuals using a case based approach. Students are provided with advanced knowledge and skills in clinical interview, focused history taking, psychosocial and physical assessment, and diagnostic reasoning.

### **NURS 504                      Advanced Practice in Adult Care I                      4.0; 4 cr.**

This is an advanced course in nursing care of adults with acute and chronic illnesses. Emphasis is placed on the pathophysiologic, bio-behavioral, and psychosocial aspects of illness, and related nursing phenomena. Management principles of illness are addressed.

### **NURS 505                      Advanced Practice in Adult Care II                      2.6; 4 cr.**

This course builds on NURS 504 and includes a clinical and theory component. Emphasis is on further refinement and extension of pathophysiologic and psychological concepts and skills in the assessment and management of clients with a spectrum of health problems.

*Prerequisites: NURS 503, NURS 504.*

### **NURS 506                      Advanced Practice in Adult Care III                      0.12; 4 cr.**

This is a practicum in which students apply content learned in NURS 504 and 505, and use concepts covered in NURS 501 and NURS 509, in the advanced management of adult clients with a variety of illnesses. Interdisciplinary collaboration and case management are emphasized.

*Prerequisite: NURS 505.*

### **NURS 507                      Role Development in Nursing Administration                      3.0; 3 cr.**

This course focuses on administrative skill development, managerial roles and responsibilities, and organizational effectiveness in a changing health care environment. Emphasis is placed on strategic management, interdisciplinary collaboration, business ethics, and international health management.

**NURS 508                      Advanced Practice in Nursing Administration                      0.15; 5 cr.**

This practicum focuses on developing advanced management and administrative nursing skills in hospitals and primary health care settings. *Prerequisite: NURS 507.*

**NURS 509                      Role Development in Nursing Education                      3.0; 3 cr.**

This course addresses principles of teaching and learning, instructional methods, test construction and use, as well as curriculum and program development as applied to nursing. The course enables students to apply educational theory and research in various settings such as schools of nursing and staff development centers.

**NURS 510/519                      Special Topics                      1, 2, or 3 cr.**

Topics of interest to MSN students such as evidence based practice, nursing informatics, and advanced research methods will be offered for credit. Credits depend on the course offered.

**NURS 513                      Advanced Research Methodology                      2 cr.**

This course is intended to familiarize students with advanced concepts and methods in research. The course addresses issues related to chance, bias, and confounders, and how to control their effects. Finally, students have the opportunity to have hands-on experience with psychometric tests as well as multivariate analysis techniques.

**NURS 514                      Therapeutic Communication                      1 cr.**

This course explores aspects of therapeutic relationships and communication skills in the nurse-patient relationship. The goal is to achieve a therapeutic outcome and bring about insight and behavioral change.

**NURS 520                      Managing Quality With Teams                      3.0; 3 cr.**

This course addresses theory and application of quality teams, their composition, purposes, function, and decision making tools. Process improvement team and the use of mapping processes for process improvement are a main focus.

**NURS 521                      Advanced Statistics for Nurses                      2.0; 2cr.**

This course covers data analysis with a focus on applications using simple datasets and SPSS software. It stresses the link between research questions and data analysis, and provides training in data presentations and reporting.

**NURS 598                      Project                      3 cr.**

Special projects directed toward acquiring skills needed in the development of programs relevant to nursing care within the student's area of interest. Projects vary depending on the track of study.

**NURS 599                      Thesis                      6 cr.**