



# **Rafic Hariri School of Nursing (HSON)**

# Rafic Hariri School of Nursing

## Officers of the School

Peter F. Dorman	President of the University
Ahmad Dallal	Provost, ex-officio
Mohamed H. Sayegh	Vice President for Medical Affairs and The Raja N. Khuri Dean, Faculty of Medicine and Medical Center
Huda Abu-Saad Huijjer	Director of the Rafic Hariri School of Nursing
Moueen Salameh	Registrar, ex-officio
Salim Kanaan	Director of Admissions, ex-officio
Lokman Meho	University Librarian, ex-officio

## Faculty

Faculty coordinator MSN program	Noureddine, Samar N.
Faculty Coordinator BSN Program:	Arevian, Mary T.
Professors:	Abu-Saad Huijjer, H.; Clinton Michael; Farhood, Laila F.
Professors Emeriti:	Khalaf, Wadad; Makarem, Selwa
Associate Professor:	Noureddine, Samar N.
Clinical Associate Professor:	Arevian, Mary T.
Assistant Professors:	Darwish, Hala J; Doumit Abi-Abdallah, Myrna A; Dumit, Nuhad Y; Shbeir EL-Dika, Souhad A.
Clinical Assistant Professors:	Abbyad Weir, Christine; Adra, Marina N.; Khoury Naifeh, May R.; Marini Daya, Sana A.
Clinical Instructor:	Madi, Dina M.
Clinical Assistant Instructors	Abi Saad, Mira; Massouh, Angela

## Faculty Administrative Support

Basil Abou Aishi	Computer Lab Administrator
Ghassan Afram	Executive Officer
Lynn Berbary	Student Services, Recruitment and Career Planning Officer
Randa Farha	Simulation and Clinical Competency Center Coordinator
Hilda Nassar	Medical Librarian

# 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 nursing program was established in 1980 and discontinued in 1984. The RN-BSN program was reactivated and launched in 2003. The Masters of Science in Nursing (MSN) program was launched in 2003. The Bachelor of Science in Nursing program (BSN) and the MSN program are registered by the Department of Education of New York State, HEGIS codes 1203.00 and 1203.10, respectively. The BSN and MSN programs are accredited by CCNE, the Commission on Collegiate Nursing Education, in the USA. AUB School of Nursing is the first School of Nursing outside the US territories to be accredited by CCNE.

## 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 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. 39-41 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 (BSN)

The School of Nursing follows the admission policies and criteria of the University. For further details see the section on Admissions on pp. 32–42 of this catalogue.

### RN–BSN 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. A selected number of nursing 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.

### BS/BA-BSN Accelerated Program

The School of Nursing accelerated program is designed for individuals who have a BS/BA in fields other than nursing. The streamlined curriculum permits students to earn a BSN in 24 months. Students who graduate from this program are entitled to sit for the National Colloquium Exam to become registered nurses. The admission to the BS/BA-BSN program requires the following:

- BS/BA degree in a field other than nursing
- A minimum GPA of 75 including prerequisite courses and general education requirements
- Completion of the following pre-requisite courses prior to admission: Engl 203, 204, PSYC 202, Biostat course, PSYC 229, two CVSP courses one from each sequence, SOAN 201, and two elective courses.

### Dual Degree

Students may, upon approval of the Faculty concerned, complete the requirements for a second degree while registered in another Faculty at AUB. In such a case, a student will be granted two degrees at the same time of graduation. If tuition differs, students will pay the higher of the tuitions.

Information about deadlines and applications are available on the following link:  
<http://www.aub.edu.lb/registrar/Documents/pdfdoc/dualdegree.pdf>

## 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. 454–61.

## 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.

## 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 109 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 30 credits for within AUB transfers, and 45 credits for transfers from outside 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. 47–64 for General University Academic Information in this catalog.

## 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 Rafic Hariri School of Nursing the following grading system is used:

Cumulative Average	GPA	Cumulative Average	GPA	Cumulative Average	GPA	Cumulative Average	GPA
<60	0	67	1.86	75	2.73	83	3.46
60	1	68	1.98	76	2.82	84	3.54
61	1.13	69	2.09	77	2.92	85	3.63
62	1.26	70	2.2	78	3.02	86	3.7
63	1.38	71	2.31	79	3.11	87	3.78
64	1.5	72	2.42	80	3.2	88	3.86
65	1.63	73	2.52	81	3.29	89	3.93
66	1.74	74	2.62	82	3.38	>=90	4

I Incomplete, P Pass, PR In Progress, W Withdraw, F Fail

All final grades are expressed in multiples of one.

## 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 155 for example.
- To secure 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 the courses an overall average of 85 or be ranked in the top 10 percent of the class and have an overall average of 80.
- 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 at 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 will be taken provided the full-time student meets the following requirements:

- passes all courses taken during the semester
- 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.

## Repeating the Year

The academic committee may allow 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 Student Affairs Committee and the Director.

## **Awards**

### **Penrose Award**

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

### **Women's Auxiliary Awards**

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

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 203 (3 cr.), BIOL 101 (3 cr.), ENGL 102<sup>1</sup> (3 cr.),  
Natural Sciences<sup>2</sup> (3 cr.), Elective (3 cr.)

#### Second Semester

MATH 204 (3 cr.), CHEM 101 (3 cr.), ARAB 101 or ARAB 102<sup>3</sup> (3 cr.),  
Social Sciences<sup>2</sup> (3 cr.), Humanities<sup>2</sup> (3 cr.)

### Second Year

First Semester <sup>5</sup>			No. of Weeks	Lecture Hrs.	Lab. or Clinical Hrs. <sup>4</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>1,6</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>4</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	48	80	3
ENGL	204	Advanced Academic English <sup>1,6</sup>	16	48	–	48	3
NURS	203	Biostatistics for Nurses	16	48	–	48	3
<b>Total</b>						<b>304</b>	<b>16</b>

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

2 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

3 For Arabic speaking students. For other students credits have to be replaced by an elective

4 One credit hour of laboratory is the equivalent of two clock hours weekly per semester, one clinical laboratory hour is the equivalent of three clock hours

1,6 Level is decided by placement test in the Department of English, Faculty of Arts and Sciences

Summer Session			No. of Weeks	Lecture Hrs.	Lab. or Clinical Hrs. <sup>4</sup>	Total Clock Hrs.	Credit Hrs.
NURS	202	Health Assessment	8	16	48	64	2
NURS	210	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>4</sup>	Total Clock Hrs.	Credit Hrs.
NURS	300	Nursing Care of Adults I, Theory and Practicum	16	48	144	192	6
NURS	304	Nursing Care of the Expectant Family, Theory and Practicum	16	48	144	192	6
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>4</sup>	Total Clock Hrs.	Credit Hrs.
NURS	302	Nursing Care of Adults II, Theory and Practicum	16	48	144	192	6
NURS	306	Nursing Care of Children, Theory and Practicum	16	48	144	192	6
CVSP		Seq. I <sup>7</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>4</sup>	Total Clock Hrs.	Credit Hrs.
SOAN	201	Introduction to the Study of Society	8	48	–	48	3
CVSP		Seq. II (instead of Seq. I) <sup>6</sup>	8	48	–	48	3
		Elective in Humanities	8	48	–	48	3
<b>Total</b>						<b>144</b>	<b>9</b>

4 One credit hour of laboratory is the equivalent of two clock hours weekly per semester, one clinical laboratory hour is the equivalent of three clock hours

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

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

## Fourth Year

First Semester			No. of Weeks	Lecture Hrs.	Lab. or Clinical Hrs. <sup>4</sup>	Total Clock Hrs.	Credit Hrs.
NURS	400	Critical Care Nursing, Theory and Practicum	16	48	144	192	6
NURS	402	Mental Health and Psychiatric Nursing, Theory and Practicum	16	48	144	192	6
NURS	406	Nursing Research	16	48	–	48	3
NURS	404	Nursing Informatics	16	32	–	32	2
<b>Total</b>						<b>464</b>	<b>17</b>
Second Semester			No. of Weeks	Lecture Hrs.	Lab. or Clinical Hrs. <sup>4</sup>	Total Clock Hrs.	Credit Hrs.
NURS	408	Community Health Nursing, Theory and Practicum	16	48	144	192	6
NURS	410	Leadership and Management in Nursing, Theory and Practicum	16	48	144	192	6
NURS	411	Intensive Practicum in Area of Interest	16	–	144	144	0
Elective in Humanities			16	48	–	48	3
<b>Total</b>						<b>576</b>	<b>15</b>
<b>Grand Total</b>						<b>2752</b>	<b>109</b>

## RN–BSN (Revised)

### First year

First Semester			No. of Weeks	Lecture Hrs.	Lab. or Clinical Hrs. <sup>4</sup>	Total Clock Hrs.	Credit Hrs.
BIOC	246	Biochemistry	16	64	–	64	4
ENGL	203	Academic English <sup>6</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>

<sup>4</sup> One credit hour of laboratory is the equivalent of two clock hours weekly per semester, one clinical laboratory hour is the equivalent of three clock hours

<sup>6</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

Second Semester			No. of Weeks	Lecture Hrs.	Lab. or Clinical Hrs. <sup>4</sup>	Total Clock Hrs.	Credit Hrs.
PHYL	246	Physiology	16	64	–	64	4
MBIM	237	Microbiology and Immunology	16	32	32	64	3
NURS	210	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 in Humanities			16	48	–	48	3
<b>Total</b>						<b>288</b>	<b>17</b>

  

Summer Session			No. of Weeks	Lecture Hrs.	Lab. or Clinical Hrs. <sup>4</sup>	Total Clock Hrs.	Credit Hrs.
PHRM	240	Pharmacology	8	48	–	48	3
NURS	308V	Maternal–Child Nursing	8	48	144	192	6
<b>Total</b>						<b>240</b>	<b>9</b>

## Second Year

First Semester			No. of Weeks	Lecture Hrs.	Lab. or Clinical Hrs. <sup>4</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		Seq. I <sup>7</sup>	16	48	–	48	3
Elective in Humanities			16	48	–	48	3
<b>Total</b>						<b>240</b>	<b>15</b>

  

Second Semester			No. of Weeks	Lecture Hrs.	Lab. or Clinical Hrs. <sup>4</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>8</sup>	16	48	–	48	3
<b>Total</b>						<b>432</b>	<b>15</b>

<sup>4</sup> One credit hour of laboratory is the equivalent of two clock hours weekly per semester, one clinical laboratory hour is the equivalent of the clock hours

<sup>7</sup> Sequence I: one of the following courses: CVSP 201, 202, 205 or 207

<sup>8</sup> Sequence II: one of the following courses: CVSP 203, 204, 206 or 208

Summer Session			No. of Weeks	Lecture Hrs.	Lab. or Clinical Hrs. <sup>4</sup>	Total Clock Hrs.	Credit Hrs.
NURS	311V	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>4</sup>	Total Clock Hrs.	Credit Hrs.
NURS	404	Nursing Informatics	16	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>2016</b>	<b>90</b>

## 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. *Prerequisite: NURS 201. 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.

<sup>4</sup> One credit hour of laboratory is the equivalent of two clock hours weekly per semester, one clinical laboratory hour is the equivalent of three clock hours

- 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 210**                    **Pathophysiology**                    **2.0; 2 cr.**  
This course focuses on the biologic alterations 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 300**                    **Nursing Care of Adults I, Theory and practicum**                    **3.9; 6 cr.**  
This course covers scientific principles in the care of adults presenting with medical-surgical problems. It builds on the framework of man, environment, health and nursing. The practicum provides students with opportunities to apply knowledge in clinical practice. *Prerequisites: NURS 202, NURS 210. Fall.*
- NURS 302**                    **Nursing Care of Adults II, Theory and practicum**                    **3.9; 6 cr.**  
This course is 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, as well as the infectious process. *Prerequisites: PHRM 240, and NURS 300. Spring.*
- NURS 304**                    **Nursing Care of the Expectant Family, Theory and Practicum**                    **3.9; 6 cr.**  
This course focuses on reproductive health, from conception to the neonatal period. The content stresses the nurse's role in reproductive health and risk. The practicum provides clinical application of knowledge, focusing on women in the childbearing cycle, the newborn, and families as clients in the hospital and outpatient settings. *Prerequisites: NURS 202 and NURS 210. Fall.*
- NURS 306**                    **Nursing Care of Children, Theory and Practicum**                    **3.9; 6 cr.**  
This course focuses on the care of children, from infancy through adolescence. Topics include ambulatory and in-patient care, as well as primary, secondary and tertiary care. The practicum provides the students with opportunities to assess health needs of children based on knowledge of growth and development, and to implement nursing care, based on the nursing process. The roles of nurse as teacher, patient advocate and nurturer are emphasized. *Prerequisites: PHRM 240, NURS 304, and PSYC 229. 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.
- NURS 311V**                    **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.

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

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: SOAN 201, and PSYC 202. Fall and spring.*

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

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.

**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. *Fall and spring.*

**NURS 400                    Critical Care Nursing, Theory and Practicum                    3.9; 6 cr.**

This course focuses on 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, emergency and disaster nursing. The practicum provides opportunities to apply knowledge in clinical settings. *Prerequisites: NURS 302. Fall.*

**NURS 402                    Mental Health and Psychiatric Nursing, Theory and Practicum                    3.9; 6 cr.**

This course 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. The practicum 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, with experiences in working with multi-disciplinary health teams to assess, plan, and implement relevant nursing interventions. *Prerequisites: Senior standing, SOAN 201, and PSYC 202. 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 from developing knowledge 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: consent of instructor. 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 311V.*
- 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. *Prerequisite: NURS 203. Fall.*
- NURS 408                      Community Health Nursing, Theory and Practicum                      3.9; 6 cr.**  
This course provides knowledge in the broad field of nursing, public health, and primary health care. The levels of primary concern are the small group, including the family and its individual members, and the large group, including the community. The practicum provides field practice through collaboration with other health professionals in primary care settings, with focus on health promotion, maintenance, and the prevention of illness and disability. *Prerequisite: senior standing. Fall and spring.*
- NURS 410                      Leadership and Management in Nursing, Theory and Practicum                      3.9; 6 cr.**  
This course 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. The practicum allows students to explore their role as potential leaders. Students observe and assist in the practice of different modalities of leadership and managerial skills in a variety of health care settings. *Prerequisite: Senior standing. Spring.*
- NURS 411                      Intensive Practicum in Area of interest                      0.9; 0 cr.**  
This course focuses on preparing students towards their transition to professional nursing practice. Opportunities are provided for students to synthesize knowledge and refine skills acquired in the planning, provision and evaluation of nursing care, communication, and interdisciplinary practice in a clinical area of their interest. Consent of instructor is required for the site of clinical practice. *Prerequisite: Senior standing. Spring.*