



الجامعة الألمانية الأردنية
German Jordanian University

German Jordanian University

School of Nursing

The Bachelor of Science in Nursing

(B.Sc. Nursing)

Study Plan 2023

I. Program Objectives

Science in Nursing program emphasizes the application of technologies and tools in the short term, and the ability to discover, acquire, and adapt new knowledge and skills in the long term, such that our graduates are prepared to:

- a. Provide high-quality nursing education programs and training according to national and international competencies.
- b. Enhance creativity and innovation in client care, management, decision-making, leadership, and quality.
- c. Build strategic and sustainable collaboration with national and German healthcare institutes, which enhances nursing knowledge and provides advanced clinical training.
- d. Promote the concepts of health and well-being to different societies and effectively enhances community awareness about health challenges.

II. Learning Outcomes

Upon completion the nursing program requirements at GJU, Nursing students are expected to:

1. [KP1]: Comprehend the nursing and related knowledge, theories, updated evidence, critical thinking, and clinical reasoning strategies to plan ethical, quality, and holistic nursing care in varied contexts.
2. [KP2]: Appraise the present knowledge, current practice guidelines to promote the quality of provided care.
3. [SP1]: Apply evidence-based nursing skills to provide a holistic, systematic, prioritized, and safe nursing care that adheres to the nursing regulatory context.
4. [SP2]: Construct healthcare plans based on a solid assessment, diagnosing, planning, implementation, evaluation, and documentation to achieve the desired healthcare outcomes.
5. [SP3]: Interpret clients' response to illness and wellness conditions and provided care to evaluate progression towards desired healthcare outcomes.
6. [CP1]: Demonstrate goal-directed, professional, therapeutic communications skills in relationships with clients, families, and healthcare professionals.
7. [CP2]: Collaborate responsibly and effectively with the clients, healthcare professionals, and organizations in Germany and Jordan, considering culture, beliefs, and values variations to provide effective centered client care.
8. [CP3]: Apply the principles of advocacy, leadership, and management to coordinate and provide quality nursing care considering client's confidentiality.

Course Delivery Methods

Courses are in one of the following three methods:

- **Face-to-Face (F2F) Method**

Courses that are taught through face-to-face learning are delivered at the university campus.

- **Blended (BLD) Method**

Courses in which teaching consists of face-to-face learning and asynchronous E-learning. The face-to-face learning takes place at the university campus. Asynchronous E-learning takes place through activities, tasks, educational duties, and assignments through the virtual E-learning platforms (Moodle and MyGJU) without direct meetings with course instructors.

- **Online (OL) Method**

Courses in which teaching consists of synchronous E-learning and asynchronous E-learning. Synchronous E-learning takes place through interactive virtual meetings between instructors and students directly through the virtual E-learning platform (MS Teams). Asynchronous E-learning takes place through activities, tasks, educational duties, and assignments through the virtual E-learning platforms (Moodle and MyGJU) without direct meetings with course instructors.

III. Admission Requirements

To apply for admission, the following minimum requirements must be met:

- A minimum high school grade of 70%.
- An original or certified copy of the high school transcript for Tawjihi students in Jordan. A certified copy of the certificate of equivalency issued by the Ministry of Education for students who completed their high school requirements in Arab countries or who were enrolled in foreign high school programs (IB, IGCSE/GCE, HSD & SAT II).
- Two recent passport-size personal photos, kindly write your name on the back of the photos.
- A certified copy of the personal ID from the Civil Status department and a copy of your passport data page (for Jordanians), or a certified copy of your foreign passport from the country's embassy in Jordan (for non-Jordanians).
- A copy of the Military Service book for male students – data page and postponement (not required for non-Jordanians).
- Requirement 1

Placement Tests

Applicants must sit for placement tests in the Arabic Language, the English Language, and Mathematics to determine whether the applicant may be required to take remedial courses in the mentioned subjects. Depending on or the applicant scores in the placement tests, some of the following 3-credit-hour remedial courses are required:

Course ID	Course Name	Credit Hours	ECTS	Contact Hours		Type	Prerequisites / Corequisites
				Lect.	Prac.		
ARB0099	Elementary Arabic	3	3	3	-	OL	Placement test
ENGL0098	Elementary English	3	3	3	-	F2F	Placement test
ENGL0099	Intermediate English	3	3	3	-	F2F	ENGL0098
MATH0099	Pre-Math	3	3	3	-	OL	Placement test
Total		12	12	12	0		

- Remedial courses are to be completed and passed within the first year of enrollment.
- Passing grade of remedial courses is 60%.
- ECTS (B.Sc.): is the European Credit Transfer and Accumulation, One ECTS is equivalent to 30 actual workload hours.

IV. Degree Requirements

The requirements to obtain a Bachelor of Science in Nursing are the following:

- A minimum of 85 credit hours of Department Compulsory requirements.
- A minimum of 12 credit hours of elective courses are to be taken at a partner university in Germany.
- A minimum of 21 credit hours of University Compulsory requirements.
- A minimum of 6 credit hours of University Elective requirements.
- A minimum of 25 credit hours of Faculty Compulsory requirements

V. Framework for B.Sc. in Nursing Degree (149 Credit hours)

Classification	Credit Hours			ECTS		
	Compulsory	Elective	Total	Compulsory	Elective	Total
University Requirements	21	6	27	25	6	31
School Requirements	25	0	25			
Program Requirements	85	12	97			
Total	131	18	149			

Course Delivery Method	Credit Hours	Percentage
Online Courses	18	12%
Blended Courses	44	30%
Face-to-Face Courses	87	58%
Total	149	100%

1. University Requirements: (27 credit hours)

1.1. Compulsory: (21 credit hours)

Course ID	Course Name	Credit Hours	ECTS	Contact Hours		Type	Prerequisites / Corequisites	
				Lect.	Prac.			
ARB100	Arabic	3	3	3	0	OL	ARB0099	
ENGL1001	Upper-Intermediate English	3	3	3	0	F2F	ENGL0099	
ENGL1002	Advanced English	3	3	3	0	F2F	ENGL1001	
GERL101B1	German I B1-Track	3	6	9	-	F2F	-	
GERL102B1	German II	B1-Track	3	6	9	-	F2F	GERL101B1
GERL102B2		B2-Track						
MILS100	Military Science	3	2	3	0	OL	-	
NE101	National Education	3	2	3	0	OL	-	
NEE101	National Education in English							
Total		21	25	33	0			

1.2. Elective: (6 credit hours) (Two courses out of the following)

Course ID	Course Name	Credit Hours	ECTS	Contact Hours		Type	Prerequisites / Corequisites
				Lect.	Prac.		
DES101	Arts' Appreciation	3	3	3	0	OL	ENGL0098, ARB0099
EI101	Leadership and Emotional Intelligence	3	3	3	0	F2F	ENGL0098
IC101	Intercultural Communications	3	3	3	0	F2F	ENGL0098
PE101	Sports and Health	3	3	3	0	F2F	ARB0099
SE301	Social Entrepreneurship and Enterprises	3	3	3	0	F2F	ENGL0098
SFTS101	Soft Skills	3	3	3	0	OL	ENGL0098
BE302	Business Entrepreneurship	3	3	3	0	OL	ENGL0098
TW303	Technical and Workplace Writing	3	3	3	0	OL	ENGL0098
Minimum required		6	6	6	0		

2. School Requirements: (25 credit hours)

Course ID	Course Name	Credit Hours	ECTS	Contact Hours		Type	Prerequisites / Corequisites
				Lect.	Prac.		
GERL201NU	German III- Nursing Track	3	4	6	0	F2F	GERL102B1 or GERL102B2
GERL202NU	German IV- Nursing Track	3	6	9	0	F2F	GERL201NU
NUR1302	Human Anatomy	3		3	0	BLD	-
NUR1303	Human Physiology	3		3	0	BLD	-
NUR1305	Human Physiology and Anatomy – Lab	1		0	3	F2F	NUR1302 ^{Co} NUR1303 ^{Co}
NUR1104	Biochemistry For Nurses	3		3	0	BLD	-
NUR1308	Microbiology For Nurses	2		2	0	BLD	NUR1104
NUR1309	Microbiology For Nurses – Lab	1		0	3	F2F	NUR1104, NUR1308 ^{Co}
NUR1304	Pathophysiology	3		3	0	BLD	NUR1302, NUR1303
NUR2302	Pharmacology	3		3	0	BLD	NUR1308
Total		25		32	6		

3. Program Requirements (97 credit hours)

3.1. Program Requirements (Compulsory): (85 credit hours)

Course ID	Course Name	Credit Hours	ECTS	Contact Hours		Type	Prerequisites / Corequisites
				Lect.	Prac.		
GERL301NU	German V-Nursing Track	3	6	9	0	F2F	GERL202NU
GERL302NU	German VI-Nursing Track	3	6	6	0	F2F	GERL301NU
GERL401NU	German VII-Nursing Track	3	6	9	0	F2F	GERL302NU
NUR1901	Intensive Clinical Training I	1		0	4	F2F	-
NUR1201	Foundations Of Nursing	3		3	0	F2F	-
NUR1202	Foundations Of Nursing – Lab	2		0	6	F2F	NUR1201 ^{Co}
NUR1203	Health Assessment	3		3	0	F2F	NUR1201
NUR1204	Health Assessment – Lab	2		0	6	F2F	NUR1201, NUR1203 ^{Co}
NUR2901	Intensive Clinical Training II	2		0	8	F2F	NUR1901
NUR2201	Health Education and Communication Skills	2		2	0	OL	NUR1201
NUR2202	Human Growth and Development	2		2	0	OL	NUR1201
NUR2203	Research Methods and Biostatistics	3		3	0	BLD	NUR2403
NUR2401	Adult Health Nursing I	3		3	0	F2F	NUR1203, NUR1304 ^{Co}
NUR2402	Adult Health Nursing I - Clinical	2		0	12	F2F	NUR1204, NUR2401 ^{Co}
NUR2403	Adult Health Nursing II	3		3	0	F2F	NUR2401, NUR1304, NUR2302 ^{Co}
NUR2404	Adult Health Nursing II - Clinical	2		0	12	F2F	NUR2402, NUR2403 ^{Co}
NUR3201	Trends And Ethics of Nursing Profession	2		2	0	OL	NUR1201
NUR3401	Critical Care Nursing	3		3	0	F2F	NUR2403
NUR3402	Critical Care Nursing - Clinical	2		0	12	F2F	NUR2404, NUR3401 ^{Co}
NUR3501	Maternal Health Nursing	3		3	0	BLD	NUR2403, NUR2302
NUR3502	Maternal Health Nursing - Clinical	2		0	8	F2F	NUR2404, NUR3501 ^{Co}
NUR3601	Child Health Nursing	3		3	0	BLD	NUR2403
NUR3602	Child Health Nursing – Clinical	2		0	8	F2F	NUR2404, NUR3601 ^{Co}

NUR3701	Mental Health Nursing	2		2	0	BLD	NUR2403
NUR3702	Mental Health Nursing - Clinical	2		0	8	F2F	NUR2404, NUR3701 ^{Co}
NUR3801	Community Health Nursing	2		2	0	BLD	NUR3501, NUR3601
NUR3802	Community Health Care Nursing – Clinical	2		0	8	F2F	NUR3502, NUR3602 NUR3801 ^{Co}
NUR3803	Geriatric Nursing	2		2	0	BLD	NUR2401
NUR3804	Geriatric Nursing – Clinical	2		0	8	F2F	NUR2402, NUR3803 ^{Co}
NUR3901	Nursing Management and Leadership	2		2	0	BLD	NUR2403
NUR3902	Intensive Clinical Training III	3		0	12	F2F	NUR2901
NUR4909	International Intensive Clinical Training	12		0	48	F2F	NUR3902
Total		85		53	160		

Notes:

- Each credit hour in the Intensive Clinical Training course equals four actual clinical hours which is equivalent to 48 shifts (8 hours/shift) for 20 weeks in the German Health sector such as a German Hospital (it should be registered in the graduation semester).
- Each clinical credit hour equals at least four actual clinical training hours for 16 weeks in a Jordanian hospital.
- Transferred students registered in the ordinary German courses are directed to cases of students to study the course equivalence with the appropriate level of the German nursing courses, each case being handled individually.

3.2. Program Requirements (Electives^b): (12 credit hours)

A minimum of 12 credit hours of coursework are required. This list is open for modifications based on school council decisions.

Course ID	Course Name	Credit Hours	ECTS	Contact Hours		Type	Prerequisites / Corequisites
				Lect.	Prac.		
NUR4401	Special Topics in Nursing I	1		1	0	BLD	BSC001
NUR4501	Special Topics in Nursing II	2		2	0	BLD	BSC001
NUR4601	Special Topics in Nursing III	3		3	0	BLD	BSC001
NUR4101	Clinical Nutrition	3		3	0	BLD	BSC001
NUR4402	Nursing Care for The Acutely Ill of All Ages	3		3	0	BLD	BSC001
NUR4201	Nursing Models and Theories	3		3	0	BLD	BSC001
NUR4901	Quality And Safety in Inter-and Intra-Professional Collaboration	3		3	0	BLD	BSC001
NUR4902	Clinical Decision-Making	3		3	0	BLD	BSC001
NUR4403	Nursing Care for Patients with Serious and Life-Limiting Illnesses	3		3	0	BLD	BSC001
NUR4202	Safe, Effective, And Person-Centered Nursing Practice in Complex Situations	3		3	0	BLD	BSC001
NUR4203	Evidence-Practice in Nursing	3		3	0	BLD	BSC001
NUR4404	Long-Term Care for The Chronically Ill and Elderly	3		3	0	BLD	BSC001
NUR4801	Health Promotion and Prevention	3		3	0	BLD	BSC001
NUR4204	Digital Future Skills in Nursing	3		3	0	BLD	BSC001
NUR4205	Framework Conditions of Nursing Action	3		3	0	BLD	BSC001
NUR4903	Financing And Quality of Nursing Care	3		3	0	BLD	BSC001

NUR4904	Dealing With Conflict Situations in A Solution-Oriented Manner	3		3	0	BLD	BSC001
NUR4405	Multi-Perspective Case Management of People with Highly Complex Care Needs	3		3	0	BLD	BSC001
NUR4206	Professional Ethics and Scientific Reflection of Supply Processes and Their Quality In Nursing Practice	3		3	0	BLD	BSC001
NUR4905	Management Of Care Processes in An Interdisciplinary Team	3		3	0	BLD	BSC001
NUR4407	Perioperative Nursing	3		3	0	BLD	BSC001
NUR4408	Nursing People with Oncological Illness	3		3	0	BLD	BSC001
NUR4906	Care Management and Quality Control	3		3	0	BLD	BSC001
NUR4409	Care In Internal Medicine	3		3	0	BLD	BSC001
NUR4207	Reflection And Case Understanding	3		3	0	BLD	BSC001
NUR4410	Nursing Care of People with Chronic Diseases/Disability	3		3	0	BLD	BSC001
NUR4411	Nursing Care to People with Acute Impairments	3		3	0	BLD	BSC001
NUR4412	Advanced Nursing Practice	3		3	0	BLD	BSC001
NUR4907	Case Management	3		3	0	BLD	BSC001
NUR4802	Rehabilitative Nursing	3		3	0	BLD	BSC001
NUR4208	Understanding and Diagnosing	3		3	0	BLD	BSC001
NUR4413	Advance Clinical Competencies	3		3	0	BLD	BSC001
NUR4414	Pain And Pain Management	3		3	0	BLD	BSC001
NUR4209	Understand Nursing Research and Basics of Statistics	3		3	0	BLD	BSC001
NUR4803	Counselling in Nursing	3		3	0	BLD	BSC001
NUR4804	Public Health	3		3	0	BLD	BSC001
NUR4210	Diagnostics And Process Design in Nursing			3	0	BLD	BSC001
NUR4415	Oncological Care and Palliative Care	3		3	0	BLD	BSC001
NUR4211	Innovation In Nursing	3		3	0	BLD	BSC001
NUR4501	Midwife Support in The Pregnancy And Childbirth Preparation	3		3	0	BLD	BSC001
NUR4502	Midwife Support During Perinatal Period	3		3	0	BLD	BSC001
NUR4503	From The Unborn to The Newborn	3		3	0	BLD	BSC001
NUR4102	Introduction To Technology and Digitization in Healthcare	3		3	0	BLD	BSC001
NUR4805	Public Health / Socioeconomic and Legal Framework	3		3	0	BLD	BSC001
NUR4504	Midwife Support During Childbirth	3		3	0	BLD	BSC001
Total		12		12	0		

^b All elective courses are to be taken at a partner university in Germany.

Note that students must study 4 elective courses from the above list after passing all courses related to University Requirements, School Requirements, and Compulsory Program Requirements excluding the international intensive clinical training.

VI. Study Plan^c Guide for a B.Sc. Degree in Science in Nursing

First Year							
First Semester							
Course ID	Course Name	Credit Hours	ECTS	Contact Hours		Type	Prerequisites / Corequisites
				Lect.	Prac.		
GERL101B1	German I B1-Track	3	6	9	0	F2F	-
ENGL1001	Upper-Intermediate English	3	3	3	0	F2F	ENGL0099
NUR1201	Foundations of Nursing	3		3	0	F2F	-
NUR1202	Foundations of Nursing – Lab	2		0	6	F2F	NUR1201 ^{Co}
NUR1104	Biochemistry for Nurses	3		3	0	BLD	-
NUR1302	Human Anatomy	3		3	0	BLD	-
NUR1303	Human Physiology	3		3	0	BLD	-
NUR1305	Human Physiology and Anatomy-Lab	1		0	3	F2F	NUR1302 ^{Co} , NUR1303 ^{Co}
Total		21	9	24	9		

First Year								
Second Semester								
Course ID	Course Name	Credit Hours	ECTS	Contact Hours		Type	Prerequisites / Corequisites	
				Lect.	Prac.			
GERL102B1	German II	B1-Track	3	6	9	-	F2F	GERL101B1
GERL102B2		B2-Track						
ENGL1002	Advanced English	3	3	3	0	F2F	ENGL1001	
NUR1304	Pathophysiology	3		3	0	BLD	NUR1302, NUR1303	
MILS100	Military Science	3	3	3	0	OL	-	
NUR1203	Health Assessment	3		3	0	F2F	NUR1201	
NUR1204	Health Assessment-Lab	2		0	6	F2F	NUR1201, NUR1203 ^{Co}	
ARB100	Arabic	3	3	3	0	OL	ARB0099	
NUR1308	Microbiology for Nurses	2		2	0	BLD	NUR1104	
NUR1309	Microbiology for Nurses - Lab	1			3	F2F	NUR1104, NUR1308 ^{Co}	
Total		23	15	27	9			

First Year							
Summer Semester							
Course ID	Course Name	Credit Hours	ECTS	Contact Hours		Type	Prerequisites / Corequisites
				Lect.	Prac.		
NUR1901	Intensive Clinical Training I	1		0	4	F2F	-
GERL201NU	German III-NU Nursing Track	3	4	6	0	F2F	GERL102B1 or GERL102B2
Total		4		6	4		

^cThe following study plan guide does not take into account possible remedial courses.

Second Year							
First Semester							
Course ID	Course Name	Credit Hours	ECTS	Contact Hours		Type	Prerequisites / Corequisites
				Lect.	Prac.		
GERL202NU	German IV-NU Nursing Track	3	6	9	0	F2F	GERL201NU
NUR2302	Pharmacology	3		3	0	BLD	NUR1308
NUR2401	Adult Health Nursing I	3		3	0	F2F	NUR1203, NUR1304 ^{Co}
NUR2402	Adult Health Nursing I - Clinical	2		0	12	F2F	NUR1204, NUR2401 ^{Co}
NUR2201	Health Education and Communication Skills	2		2	0	OL	NUR1201
NUR3201	Trends And Ethics of Nursing Profession	2		2	0	OL	NUR1201
NE101	National Education	3	3	3	0	OL	-
Total		19	7	19	12		

Second Year							
Second Semester							
Course ID	Course Name	Credit Hours	ECTS	Contact Hours		Type	Prerequisites / Corequisites
				Lect.	Prac.		
GERL301NU	German V-NU Nursing Track	3	6	9	0	F2F	GERL202NU
NUR2403	Adult Health Nursing II	3		3	0	F2F	NUR2402
NUR2404	Adult Health Nursing II - Clinical	2		0	12	F2F	NUR1204, NUR2401 ^{Co}
NUR2202	Human Growth and Development	2		2	0	OL	NUR1201
	University Elective	3		3	0	F2F	ENGL0098
NUR3803	Geriatric Nursing	2		2	0	BLD	NUR2401
NUR3804	Geriatric Nursing – Clinical	2		0	8	F2F	NUR2402, NUR3803 ^{Co}
Total		18	6	22	20		

Second Year							
Summer Semester							
Course ID	Course Name	Credit Hours	ECTS	Contact Hours		Type	Prerequisites / Corequisites
				Lect.	Prac.		
NUR2901	Intensive Clinical Training II	2		0	8		NUR1901
GERL302NU	German VI-NU Nursing Track	3	6	6	0	F2F	GERL301NU
Total		5	6	6	8		

Third Year							
First Semester							
Course ID	Course Name	Credit Hours	ECTS	Contact Hours		Type	Prerequisites / Corequisites
				Lect.	Prac.		
GERL401NU	German VII-NU Nursing Track	3	6	9	0	F2F	GERL302NU
NUR3501	Maternal Health Nursing	3		3	0	BLD	NUR2403, NUR2302
NUR3502	Maternal Health Nursing - Clinical	2		0	8	F2F	NUR2404, NUR3501 ^{Co}
NUR2203	Research Methods and Statistics	3		3	0	BLD	NUR2403
NUR3601	Child Health Nursing	3		3	0	BLD	NUR2403
NUR3602	Child Health Nursing – Clinical	2		0	8	F2F	NUR2404, NUR3601 ^{Co}
Total		16	6	18	16		

Third Year							
Second Semester							
Course ID	Course Name	Credit Hours	ECTS	Contact Hours		Type	Prerequisites / Corequisites
				Lect.	Prac.		
NUR3901	Nursing Management and Leadership	2		2	0	BLD	NUR2403
NUR3701	Mental Health Nursing	2		2	0	BLD	NUR2403
NUR3702	Mental Health Nursing - Clinical	2		0	8	F2F	NUR2404, NUR3701 ^{Co}
	University Elective	3		3	0	OL	-
NUR3401	Critical Care Nursing	3		3	0	F2F	NUR2403
NUR3402	Critical Care Nursing - Clinical	2		0	12	F2F	NUR2404, NUR3401 ^{Co}
Total		15	0	10	20		

Third Year							
Summer Semester							
Course ID	Course Name	Credit Hours	ECTS	Contact Hours		Type	Prerequisites / Corequisites
				Lect.	Prac.		
NUR3902	Intensive Clinical Training III	3		0	12	F2F	NUR2901
NUR3801	Community Health Nursing	2		2	0	BLD	NUR3501, NUR3601
NUR3802	Community Health Nursing - Clinical	2		0	8	F2F	NUR3502, NUR3602 NUR3801 ^{Co}
Total		7		2	20		

Fourth Year							
First Semester							
Course ID	Course Name	Credit Hours	ECTS	Contact Hours		Type	Prerequisites / Corequisites
				Lect.	Prac.		
	Program Elective	3				BLD	BSC001
	Program Elective	3				BLD	BSC001
	Program Elective	3				BLD	BSC001
	Program Elective	3				BLD	BSC001
Total		12					

Fourth Year							
Second Semester							
Course ID	Course Name	Credit Hours	ECTS	Contact Hours		Type	Prerequisites / Corequisites
				Lect.	Prac.		
NUR4909	International Intensive Clinical Training	12		0	48	F2F	NUR3902
Total		12		0	48		

Prerequisite courses for the German year:

1. A minimum GPA of 61.0%
2. Passing GERL401NU (German VII-NU) and full GJUDaF language certificate B1 (or as retake exam: Goethe-Zertifikat B1 or ÖSD-Zertifikat B1)
3. ENGL1001, and Arabic 99
4. Passing all courses related to University Requirements, School Requirements, and the Compulsory Program Requirements excluding the international intensive clinical training.

^d Courses attended and/or passed during Intensive clinical training are not transferable

VII. Compulsory Courses Offered by Nursing Department

NUR3201: Trends and Ethics of Nursing profession **2 Cr Hr (2,0)**

This course examines the historical background of the nursing profession, including how nursing emerged as a profession and the difficulties nurses encounter in the field. The course focuses on nursing ethics and the importance of those issues when giving care. The use of various nursing theories in nursing practice will be critically discussed by students. Students will be able to apply skills and knowledge of a chosen ethical or legal subject to decision-making and problem-solving processes by demonstrating comprehension of nursing ethical, legal, and bioethical concerns. They will be equipped by the course to actively contribute to raising the standard of care, as mandated by legal requirements.

Prerequisites: NUR1201

NUR1203: Health Assessment **3 Cr Hr (3,0)**

This course intends to teach nursing students about the many approaches used to evaluate the patient's health state. Students will have the chance to learn how to conduct a comprehensive adult health evaluation using their knowledge of anatomy and physiology. By gathering information from the patient interview, physical examination, and assessment of the health condition, this course comprises taking a health history and evaluating the patient's current physical, social, and mental health state.

Prerequisites: NUR1201

NUR1204: Health Assessment Lab **2 Cr Hr (0,6)**

This course is designed to help students develop the abilities to assess the health of clients by history-taking, physical examination, palpation, percussion, and auscultation, followed by documenting of the results. Additionally, it gives nursing students the knowledge and abilities to conduct a thorough physical examination on an adult health client and recognize any deviation from the expected findings.

Prerequisite: NUR1201, *Co-requisites:* NUR1203

NUR2201: Health Education and Communication Skills **2 Cr Hr (2,0)**

This course will give students the opportunity to examine the concepts of health promotion and health education, as well as fundamental principles and the learning process based on various theories. Identify, organize, execute, and evaluate health promotion interventions for individuals and communities in a variety of health care settings by developing the necessary knowledge, attitudes, and abilities. The student will also develop communication methods for working with other healthcare team members utilizing critical thinking and evidence-based practice. Students' learning will be aided by lectures, group discussions, clinical training, laboratory small-group work, case study analysis, role-playing, and simulation.

Prerequisites: NUR1201

NUR1201: Foundations of Nursing **3 Cr Hr (3,0)**

This course aims to familiarize the beginning nursing students with the nature, background, and functions of professional nursing. It is intended to equip students with fundamental knowledge and a positive outlook while they offer care for patients and their families. Wellness, good health, the nursing profession, the nursing process, and nursing theories are among the topics. Additionally, the students are introduced to communication and interpersonal skills in this course to help them become a productive part of a cooperative healthcare team.

NUR1202: Foundations of Nursing Lab **2 Cr Hr (0,2)**

This course gives the first-year nursing students clinical nursing experience. The laboratory simulator is used to practice and display fundamental nursing skills connected to theory and principles. Additionally, the course adds to the background and ideas of basic theory. It aims to give nursing students the chance to accurately and securely master all fundamental nursing skills prior to their clinical practice in hospitals.

Co-requisites: NUR1201

NUR2401: Adult Health Nursing I **3 Cr Hr (3,0)**

This course introduces the students to the circumstances that have an impact on an adult patient's functional

health patterns. The material is approached by addressing issues with both the patient's basic needs and issues resulting from particular health issues. The nursing process offers a framework for specific independent and interdependent nursing interventions, such as lifestyle modifications and health promotion.

Prerequisites: NUR1203, NUR1304^{CO}

UR2402: Adult Health Nursing I- Clinical **3 Cr Hr (0,12)**

This course prepares professional nurses who are responsible for providing nursing care to adult patients with medical and surgical health conditions by giving them the guided nursing experience, knowledge, and skills they need. The plan of care will be carried out using the nursing process as a framework. Additionally, the goal of this course is to improve adult learners' general health and disease prevention.

Prerequisite: NUR1204, NUR2401^{Co}

NUR2403: Adult Health Nursing II **3 Cr Hr (3,0)**

This course equips students with the knowledge and abilities they need to effectively care for patients and their families. The emphasis is on how adults' bio-psycho-social reactions to real-world, high-risk conditions affect their functional health patterns. The focus will be on specific functional health patterns, such as nutritional-metabolic, cognitive-perceptual, and elimination patterns. These problems may be short-term or long-term. The framework provided by the nursing process will be used to identify nursing interventions that will promote, maintain, and repair the health of individuals and their families.

Prerequisites: NUR2402

NUR2404: Adult Health Nursing II- Clinical **2 Cr Hr (0,12)**

This course covers how adults' bio-psycho-social reactions to current and anticipated health issues affect their functional health patterns. Through the use of the nursing process, clinical practice will give students the chance to care for persons with altered functional health patterns in a range of clinical settings. The ability to integrate theory into clinical practice and build clinical decision-making abilities will be available to students.

Prerequisites: NUR1204, *Co-requisite:* NUR2401

NUR2202: Human Growth and Development **2 Cr Hr (2,0)**

This course prepares the students for comprehending children's physical, social, emotional, and intellectual growth and development. The goal of the course is to assist students in developing the knowledge and abilities necessary to provide comprehensive nursing care for children and their families. The focus is on assisting students in creating environments for kids that will encourage optimal growth. Integration of the growth and developmental stage and theories will be emphasized.

Prerequisites: NUR1201

NUR3501: Maternal Health Nursing **3 Cr Hr (3,0)**

This course gives the students the chance to apply the nursing method to evaluate the requirements of pregnant women, new mothers, and their families. While providing comprehensive nursing care for women during childbearing period, menopause, and across life span through primary, secondary, and tertiary prevention. Additionally, the course equips the students with the knowledge and abilities necessary to recognize serious conditions, such as high-risk pregnancies, abnormal labour, newborn complications, and post-partum complications, and it promotes the use of nursing interventions that are appropriate for the various critical situations.

Prerequisites: NUR2403, NUR2302

NUR3502: Maternal Health Nursing- Clinical **2 Cr Hr (0,8)**

This course will get nursing students ready to give direct, comprehensive care to women and their families during pregnancy, delivery, and afterwards. By giving the chance to display clinical processes involving the mother and the newborn as well as other family planning techniques. The student will be required to use clinical skills in real-world client settings and child and maternal health care facilities.

Prerequisite: NUR2404, *Co-requisites:* NUR3501

NUR3701: Mental Health Nursing**2 Cr Hr (2,0)**

This course aims to teach students the fundamentals of mental health and psychiatric nursing. It gives them ideas, theories, and guidelines that will make their clinical experiences clearer. Each unit in the course discusses a mental health concept in relation to its clinical manifestation, etiology, assessment, nursing diagnosis, and nursing interventions. The nursing process is employed as the course's organizing framework. The integration of various therapeutic modalities will place emphasis on the therapeutic use of oneself in carrying out dependent and interdependent nursing tasks. Participation in class discussions, case study analysis, and integration of the clinical experience into the classroom are all requirements for this course.

Prerequisites: NUR2403

NUR3702: Mental Health Nursing- Clinical**2 Cr Hr (0,8)**

This course helps the students to acquire the skills and mindset required in the field of mental health. Additionally, covered in the course are how to enhance interpersonal communication skills, how to be a good counselor, how to handle various psychiatric and mental disease cases. The course also emphasizes how a patient should be protected throughout the duration of a professional and therapeutic relationship. Students will take part in group activities and activities where they provide individual care as part of the unit's health care team.

Prerequisite: NUR2404, *Co-requisites:* NUR3701

NUR3801: Community Health Nursing**2 Cr Hr (2,0)**

This course focuses on risk reduction, maintaining good health, and promoting high levels of wellness among people of all ages in families and communities across the health continuum. The student is given the chance to evaluate the community's needs for health maintenance and promotion in relation to a sample of families. By doing a community diagnostic, students will gain an understanding of the structure of health systems and be able to pinpoint issues with community health, such as communicable and chronic diseases. The students will comprehend how to combine individual evaluation with family, group, and community assessment. At the same time, the community as a whole is informed of the care goal. The course also examines the idea of primary healthcare and its function in Jordan.

Prerequisite: NUR3502, NUR3602 NUR3801^{co}

NUR3802: Community Health Nursing- Clinical**2 Cr Hr (0,8)**

This course focuses on the application of public health and nursing principles to the care of people, families, and populations. The entire community will be the client and the target of care. The students will be able to undertake community and health assessment and offer health education and health promotion techniques to people in their homes, places of employment, daycare facilities, schools, outpatient treatment facilities, and anywhere else they present.

Prerequisite: NUR2403, *Co-requisites:* NUR3801

NUR3601: Child Health Nursing**3 Cr Hr (3,0)**

This course equips the students with general competences, such as the information needed to offer comprehensive care for children, and their families who are dealing with a range of health issues. The students will be introduced to the fundamental ideas of health promotion, maintenance, and restoration for kids of various ages. This course's main objective is to execute the nursing process, which focuses on the most recent evidence-based approaches for caring for both healthy and ill children.

Prerequisite: NUR2403

NUR3602: Child Health Nursing- Clinical**2 Cr Hr (0,8)**

This course focuses on giving students the fundamental clinical experience they need to acquire the nursing skills necessary to provide evidence-based, comprehensive care for children, and their families who are dealing with a range of health issues. This course's main objective is to execute the nursing process, which focuses on the most recent evidence-based approaches for caring for both healthy and ill children.

Prerequisite: NUR2404, *Co-requisites:* NUR3601

NUR3901: Nursing Management and Leadership **2 Cr Hr (2,0)**

This course aims to educate the students the concepts and principles of management and leadership so they can develop the managerial knowledge and leadership abilities required in health care organizations, particularly in nursing departments. The management of resources by the organization, including its planning, organizing, directing, controlling, and decision-making processes, is given priority. The course contains guidelines for enhancing patient care and interpersonal interactions as well.

Prerequisites: NUR2403

NUR2203: Research Methods and Biostatistics **3 Cr Hr (3,0)**

This course aims to understand biostatistics for use in nursing and evidence-based practice. In order to pick and use the best evidence for drawing applicable conclusions regarding empirical data, emphasis is given on the interpretation and evaluation of data analysis. Study designs, frequency and association measures, confounding, screening, infectious disease outbreaks, assessing the impact of public health initiatives, and the use and interpretation of population health data are all topics covered in this course. The unit also covers descriptive analyses of data, concepts underlying statistical inference, fundamental statistical methods for the analysis of continuous and binary data, and statistical aspects of study design. It also includes an introduction to statistical concepts, their use, and relevance in nursing. Included are the following specific topics: confidence intervals, sampling distribution of the mean, and probability distributions.

Prerequisites: NUR1201

NUR4909: International Intensive Clinical Training **12 Cr Hr (0,48)**

This course equips the students for the position they will hold following graduation. The goal of this course is to guarantee the acquisition of cumulative competencies such as effective communication and collaboration with interdisciplinary health care teams, patient quality and risk management, critical thinking and evidence-based practice, practicing within professional standards and ethics, and this clinical judgment in providing holistic, evidence-based nursing care. Students will work full shifts and 40 shifts in one of the critical care, emergency, or other units approved by the coordinating faculty member during this course and the last semester of the fourth year.

Prerequisites: NUR3902

NUR1901: Intensive Clinical Training I **1 Cr Hr (0,4)**

The goal of this course is to guarantee the acquisition of cumulative competencies such as effective communication and collaboration with interdisciplinary health care teams, patient quality and risk management, critical thinking and evidence-based practice, practicing within professional standards and ethics, and this clinical judgment in providing holistic, evidence-based nursing care. Students will work full shifts and 40 shifts in one of the critical care, emergency, or other units approved by the coordinating faculty member during this course and the last semester of the fourth year.

NUR2901: Intensive Clinical Training II **2 Cr Hr (0,8)**

The goal of this course is to guarantee the acquisition of cumulative competencies such as effective communication and collaboration with interdisciplinary health care teams, patient quality and risk management, critical thinking and evidence-based practice, practicing within professional standards and ethics, and this clinical judgment in providing holistic, evidence-based nursing care. Students will work full shifts and 40 shifts in one of the critical care, emergency, or other units approved by the coordinating faculty member during this course and the last semester of the fourth year.

Prerequisites: NUR1901

NUR3902: Intensive Clinical Training III **3 Cr Hr (0,12)**

The goal of this course is to guarantee the acquisition of cumulative competencies such as effective communication and collaboration with interdisciplinary health care teams, patient quality and risk management, critical thinking, and evidence-based practice, practicing within professional standards and ethics, and this clinical judgment in providing holistic, evidence-based nursing care. Students will work full shifts and 40 shifts in one of the critical care, emergency, or other units approved by the coordinating faculty member during this course and

the last semester of the fourth year.

Prerequisites: NUR2901

NUR3401: Critical care nursing **3 Cr Hr (2,0)**

This course focuses on having the students acquire advanced scientific knowledge that moves them beyond fundamental techniques in the provision of care for patients within the critical care environment. This course is designed to give students the chance to gain in-depth understanding of nature of critical care nursing and role of nurse in meeting the different needs of critically ill patient with the different acute and life-threatening conditions. Knowledge developed through this course will enable students to collaborate in the provision of a comprehensive management to patients who are admitted to the critical care settings and their families and to identify the major system organ alterations that nurses frequently encounter in critical illnesses. Critical thinking and problem solving is emphasized in assessment and prioritizing patient 's needs and nursing interventions.

Prerequisites: NUR2403

NUR3402: Critical care nursing clinical **2 Cr Hr (0,12)**

The aim of this clinical course is to provide students with a comprehensive clinical care experience that covers the topics in NUR343 in a sequential and structured manner.

Prerequisite: NUR2404, *Co-requisites:* NUR3401

NUR3803: Geriatric nursing **2 Cr Hr (2,0)**

This course focuses on providing health care for the aging client within the framework of the nursing process. Emphasis is on understanding the unique needs of the aging population, encouraging health promotion and self-care, identifying variable responses of elderly clients to pathological conditions, and maintaining a level of function that promotes quality of life.

Prerequisites: NUR2401

NUR3804: Geriatric nursing clinical **2 Cr Hr (0,8)**

The aim of this clinical course is to provide students with comprehensive care experience for the aging client within the framework of the nursing process that covers the topics in NUR382 in a sequential and structured manner. This course equips the nursing students with the required skills to perform his\her role in meeting the physiologic, psychosocial, and spiritual needs of the elderly. It provides nursing students with evidence-based clinical expertise that helps them, as gerontological nurses, to address the complexities of meeting the holistic needs of the elderly population with competence in hospitals and community-based settings.

Prerequisites: NUR2402, *Co-requisite:* NUR3803

NUR1302: Human Anatomy **3 Cr Hr (3,0)**

This course gives the student an introduction to the typical organization of the body systems in this subject. Additionally, it gives the student a good understanding of the overall design and growth of the human body. The course also seeks to give the student a basic understanding of the histological features of primary tissues, as well as a brief overview of the structure, ultrastructure, molecular biology, and functions of cells and their byproducts.

NUR1303: Human Physiology **3 Cr Hr (3,0)**

This course gives the student an introduction to the fundamental definitions and principles of physiology, which is the study of the living body at the molecular, cellular, and intact organism levels. This course introduces the student to the mechanics of the functions. It also seeks to introduce the ideas of homeostasis and internal environment. The course also covers the theories and mechanisms governing how bodily fluids travel across various body membranes, the electrical and ionic events that underlie the excitation of reactive tissues, and the mechanisms governing how various muscles contract. Additionally, it discusses the general structure and functionality of the circulatory, respiratory, renal, gastrointestinal, and reproductive systems.

NUR1104: Biochemistry For Nurses **3 Cr Hr (3,0)**

This course teaches the student about the chemical composition of cellular macromolecules, including carbohydrates, proteins, lipids, and nucleic acids. Following an explanation of bioenergetic principles, the

metabolism of carbohydrates, lipids, and nitrogen-containing substances such as amino acids, proteins, nucleic acids, and related chemicals, as well as the processes governing their regularity, will be covered. Additionally, pertinent biochemical methods will be covered.

NUR1308: Microbiology For Nurses **2 Cr Hr (2,0)**

This course introduces students to the diversity, physiology, morphology, genetics, ecology, applications, and pathogenicity of microbes while also covering the fundamentals of microbiology. Students will be able to comprehend how bacteria, archaea, viruses, and eukaryotic microorganisms are structured and function.

Prerequisites: NUR1104

NUR1309: Microbiology For Nurses - Lab **1 Cr Hr (3,0)**

This course will focus on handling and cultivating various microbes while identifying their characteristics using cellular and cultural traits.

Prerequisites: NUR1308^{CO}, NUR1104

NUR2302: Pharmacology **3 Cr Hr (3,0)**

This course aims to acquaint the students with the fundamentals of drug action, pharmacokinetics, safety, and interactions. The function of nursing in this process is to prescribe various medications that have an impact on many physiological systems, including the autonomic transmission and the crucial endocoid mediator of inflammation (histamine and eicosanoids).

NUR1304: Pathophysiology **3 Cr Hr (3,0)**

This course focuses on the physiological changes brought on by internal and external environmental stresses, as well as the pathological reactions of the body to these changes that result in the development of illness signs and symptoms. The ideas and foundations of the most prevalent health issues are reviewed in this course. The content emphasizes the unique health requirements throughout an individual's life.

VIII. Elective Course Offered by Nursing Department

NUR4401: Special Topics in Nursing I **1 Cr Hr (1,0)**

Selected state-of-the-art topics in Nursing.

Prerequisites: BSC001

NUR4501: Special Topics in Nursing II **2 Cr Hr (2,0)**

Selected state-of-the-art topics in Nursing.

Prerequisites: BSC001

NUR4601: Special Topics in Nursing III **3 Cr Hr (3,0)**

Selected state-of-the-art topics in Nursing.

Prerequisites: BSC001

NUR4402: Nursing Care for the Acutely Ill of All Ages **3 Cr Hr (3,0)**

This course explains the importance of mastering personal skills such as problem-solving skills, communication skills with the patient, and following a structured working process in the nursing profession, especially when taking care of people with acute illnesses such as diseases related to heart failure and musculoskeletal system. During this course, methods, instruments, and to-follow-procedures will be introduced as well as the diagnostics and therapies for people with acute illnesses. The student will also learn how to document the classification and description of the therapy including the medical devices provided to the patient. The activities needed for the patient to maintain or promote the patient's health will be taught.

Prerequisites: BSC001

NUR4201: Nursing Models and Theories **3 Cr Hr (3,0)**

This course aims to understand as a nurse the different fields of nursing, the basic concepts of nursing as a

healthcare science, and the main epistemological and methodological positions in relevance to nursing science research, with their different forms. The student will learn how to develop surveys and evaluation of the research qualitatively and quantitatively, and how to imply the scientific knowledge in the practical field. Examples on fields that the student will be exposed to are, care support point, patient information center, medical care center, emergency room, surgical services.

Prerequisites: BSC001

NUR4901: Quality and Safety in Inter-and Intra-Professional Collaboration **3 Cr Hr (3,0)**

In this course, the student will learn concepts, theories, models, ethical- and legal basics in healthcare systems, regarding the patient's safety and the quality of the health provided, and how to record them. In order to provide high-quality healthcare to the patients, nursing experts, practical standards, guidelines, directives, checklists and standard operating procedures, Specific topics of safety culture: systems thinking, error reporting and learning tools (CIRS, M&M conference), patient and family participation, cooperative, collaborative action (intra- and interprofessional), Emergency care, including advanced life support, basic knowledge of global health as well as national and international aspects of disaster relief.

Prerequisites: BSC001

NUR4902: Clinical Decision-Making **3 Cr Hr (3,0)**

This course covers central elements and strategies for clinical decision-making in nursing, and evidence-based/informed decision making in nursing contexts. Communication needed and the support for decision-making. Techniques of critical reading and criteria guided assessment of research papers of high relevance to nursing.

Prerequisites: BSC001

NUR4403: Nursing Care for Patients with Serious and Life-Limiting Illnesses **3 Cr Hr (3,0)**

This course explains the serious and life-limiting illnesses, with knowledge about the complex physical, psychological, and social situation they have, the symptoms the patient suffer from, how to assess the situation and provide care and relief from pain such as pain, dyspnea, constipation, nausea, cachexia, fatigue. The healthcare provided can be in the form of palliative care and hospice work. Cultural, spiritual, religious, ethical, and legal aspects of the healthcare offered. Dealing with the moribund, the deceased, mourning and accompanying relatives and friends by nurses in the care team.

Prerequisites: BSC001

NUR4202: Safe, Effective, and Person-Centered Nursing Practice in Complex Situations **3 Cr Hr (3,0)**

This course covers identifying and assessing individual care needs, potential risks, and health hazards in (highly) complex acute and permanent care situations using specific science-oriented assessment procedures. Basics of intensive care monitoring as well as the tasks of nurses in intensive therapy teams and in emergency care. Knowledge of the physical, psychological, and social situation of people of all ages and their relatives and their application in critical and (highly) complex care situations in different settings.

NUR4203: Evidence- Practice in Nursing **3 Cr Hr (3,0)**

In this course, the student will be introduced on the way of thinking and operating based on evidence-based nursing and evidence-based healthcare (EbN, EbHC), quality criteria of empirical research and their application in the critical reading and evaluation of studies. The student will also be taught to develop best practices for development of patients' information and the guidelines while providing healthcare and clinical decisions based on empirical research outcomes.

Prerequisites: BSC001

NUR4404: Long-Term Care for the Chronically Ill and Elderly **3 Cr Hr (3,0)**

Explanation of the definitions, characteristics, and specifications of chronic illnesses and multimorbidity including

the needed medical diagnosis and therapies for the patients. Basic knowledge of gerontology, geriatrics, and gerontological/geriatric nursing, taking into account central challenges in nursing care such as dementia, delirium, sarcopenia, malnutrition, polypharmacy, etc. will also be given. The concepts in providing healthcare, support for the chronically ill people and elderly and their relatives, especially in the case of dementia (e.g., model of coping with chronic illness, psychobiographical care model, person-centered approach, validation).

Prerequisites: BSC001

NUR4801: Health Promotion and Prevention

3 Cr Hr (3,0)

This course gives the student knowledge in different fields related to healthcare in Germany and in different nursing fields, including knowledge about the instruments and stakeholders in health promotion and prevention. This knowledge will allow the student to understand the health potentials and risks in relevance to nursing as a profession and to the population and different groups of patients, which will help the student to integrate it in strategies and measures carried out for health promotion and prevention. Health prevention, such as Hygiene guidelines and other measures for the protection against infection while health promotion involves counselling and guidelines with regard to the implementation of selected preventive measures and the design of healthy lifestyles.

Prerequisites: BSC001

NUR4204: Digital future skills in nursing

3 Cr Hr (3,0)

This course covers the increasing use of software, sensor technology, robotics, mobile devices, and networked assistance and monitoring systems poses new challenges for nurses in their day-to-day work - e.g., with regard to compliance with ethics and data protection, teaching future skills in nursing. Nursing students will learn about and understand the challenges and fields of action of digital transformation in the profession and be able to deal with them in a self-designing way.

Prerequisites: BSC001

NUR4205: Framework Conditions of Nursing Action

3 Cr Hr (3,0)

This course covers the development of nursing as a profession and the responsibilities in the context of social change processes and social security. They are familiar with the economic interrelationships in the health care industry and are familiar with central interrelationships in health policy. You will be familiar with the special features of various care structures in the inpatient short-term and long-term sector as well as in home care, with which they are able to develop a well-founded position on ethical boundary issues.

Prerequisites: BSC001

NUR4903: Financing and Quality of Nursing Care

3 Cr Hr (3,0)

This course provides the students with how to present topics while being aware of legal and business concepts, economic situations, and ethical convictions. The students will learn the fundamentals of health economics, and how they affect the healthcare companies to manage healthcare teams correspondingly.

Prerequisites: BSC001

NUR4904: Dealing with Conflict Situations in a Solution-Oriented Manner

3 Cr Hr (3,0)

This course Introduces the students to the systematic law and the regulations related to the healthcare field, the process of delimitation of civil law to social law (SGB) will also lead to knowledge in case management and solution. Learning the basics of commercial private law, contract law and the legal nature of the med. treatment contract, the care contract, and the service content. Basics of liability law, in particular, liability under contract/due to tortious liability, labor law, and the provision of health in the context of civil- and liability law. Teaching ethical behavior to which nurses are legally obliged.

Prerequisites: BSC001

NUR4405: Multi-Perspective Case Management of People with Highly Complex Care Needs

3 Cr Hr (3,0)

This course includes revision of the theoretical and practical knowledge earned in addition to the laws applied for

nursing care to be implemented in therapy and diagnostics. Different examples of chronic and acute illnesses and impairments that cause lifestyle problems to the patient and which kind of caring he/she needs. Introducing the student to the different challenges in healthcare, that might need the nurse to provide evidence-based-information and consultation to the way the health situation should be handled. The inter- and interprofessional cooperation required from the nurse and action needed in medical diagnosis and therapy in specific cases. The student will also learn how to evaluate the outcomes of the consultation and care provided by the nurse to the patient and what kind of challenges that limit the role of the nurse in complex care situations.

Prerequisites: BSC001

NUR4206: Professional Ethics and Scientific Reflection of Supply Processes and Their Quality in Nursing Practice

3 Cr Hr (3,0)

This course explains the complex, nursing- and organizations' situations as well as the instruments used in control the settings needed in nursing, in the context of their legal, managerial, and environmental frameworks of the three healthcare sectors, to which the students will be also introduced in practical terms. The student will be able to command quality- and case management in the healthcare organization independently. The student will learn the process to follow in order to plan, manage, and control the development, implementation, and evaluation. Private- and social security law and business knowledge should be provided for the student to know how to manage cases efficiently. Health and sustainability are another important aspect for the student to learn, in relevance to the use of resources considering economic perspectives. Interprofessional when working with colleagues from different care sectors will also be taught.

Prerequisites: BSC001

NUR4905: Management of Care Processes in an Interdisciplinary Team

3 Cr Hr (3,0)

This course aims to enhance the knowledge learned during nursing and to develop them, to have the ability to perform and work efficiently as a nurse. The student will be introduced to different complex situations in nursing and have the responsibility to analyze cases and develop problem-solving strategies. This course aims to review all the theories learned during the whole study plan to master nursing as a profession.

Prerequisites: BSC001

NUR4407: Perioperative Nursing

3 Cr Hr (3,0)

This course covers knowledge in surgical aspects including diagnostics and therapy, pre-and postoperative measures, anesthesia and intensive care, long-term ventilation, principles of surgical procedures, wound classification and principles of wound treatment, diagnostic procedures in surgery, nursing perioperative care in surgical interventions with the main focus on visceral surgery, gynecology, trauma surgery and orthopedics, traumatology, managing surgical care in cooperation with an interprofessional team, nursing intervention in care, rehabilitation, and secondary prevention on scientific- and process-driven base. The student will also be taught the quality measures and expert standards of the DNQP in nursing care, pain management including acute- and chronic pain management, providing care in acute- and emergency situations (ABCDE assessment), life-sustaining immediate measures, clinical-practical learning in the hospital, inpatient long-term care, outpatient acute and/or long-term care (share of compulsory assignment according to PflAPrV).

Prerequisites: BSC001

NUR4408: Nursing People with Oncological Illness

3 Cr Hr (3,0)

The course explains the health provided to patients with oncological illnesses, and the oncological emergencies they might face, types of therapy that can be provided which are supportive-, complementary-, and alternative therapy, specific therapy for special cases, moribund and their relatives, Hospice and palliative care in different care settings, patient's provision and therapy limitation, clinical-practical learning in the hospital, inpatient long-term care, outpatient acute and/or long-term care (share of compulsory assignment according to PflAPrV).

Prerequisites: BSC001

NUR4906: Care Management and Quality Control

3 Cr Hr (3,0)

This course includes inter- and interprofessional action, process and concepts of care management and strategies,

the relevant laws, regulations, ethical guidelines, and expert standards, basics of quality management, quality management concepts, relevant standards and regulations as well as relevant certification processes, professional ethical values and measures for the development of the profession.

Prerequisites: BSC001

NUR4409: Care in internal medicine **3 Cr Hr (3,0)**

This course introduces the healthcare provided for patients with the following illnesses, cardiovascular diseases and vascular diseases; respiratory diseases; Diseases of the gastrointestinal tract, the biliary system and the metabolic and nutritional diseases; diseases of the kidney and urinary tract; rheumatic diseases and the urinary tract; rheumatoid diseases; Infectious diseases; Accompanying pharmacological therapies to the previous mentioned illnesses. The student will learn nursing intervention concepts at the level of prevention, curation, rehabilitation in a scientific- and process-driven base.

Prerequisites: BSC001

NUR4207: Reflection and case understanding **3 Cr Hr (3,0)**

This course teaches the students how to debate with others based on literature, how to write essays in scientific form and how to work with others.

Prerequisites: BSC001

NUR4410: Nursing Care of People with Chronic Diseases/Disability **3 Cr Hr (3,0)**

The courses describes the digital options to provide health to patients with chronic diseases, the opportunities and risks of the digital apps available (e.g. electronic health care..etc.).Introduction to disability and chronic illnesses (biopsychosocial model of the WHO) ICF classification system, health-related quality of life, stress and disease management, etiology, symptoms, diagnosis and therapy of selected chronic diseases, how to provide optimal life situation (help and support) to people with chronic disease, disabilities and to their relatives, and how nurses can participate in this field. The course also includes adherence, participation/participation, education and training programs

Prerequisites: BSC001

NUR4411: Nursing care to people with acute impairments **3 Cr Hr (3,0)**

In this course, anatomy, physiology, and pathology of chosen acute illnesses related to internal medicine and surgery with high potential of chronification. Imitation of nursing care situations and providing the student with nursing care exemplaires for acute clinical pictures/disease patterns and chronification of acute care cases. The student will also be introduced to nursing intervention in life-threatening conditions, in nursing emergency situations (refresher 1st aid course). They will also be taught on wound management through exemplaires such as surgical sutures, burns, decubitus ulcers or paVK wounds through a given digital photo and suitable documentation of it.

Prerequisites: BSC001

IX. Courses offered by Other Schools

ARB0099: Elementary Arabic **3 Cr Hr (3,0)**

This course aims to develop student's ability to read, comprehend, literary analyze, grammatically analyze, linguistically analyze, poetically analyze, and rhetorically analyze texts properly. The course also includes a selection of Arabic literature in poetry and prose representing different literary ages, in addition to several common forms of writing such as scientific article, news article, and others.

ARB100: Arabic **3 Cr Hr (3,0)**

This course aims to improve the student's competence in the various linguistic skills in terms of reading, comprehension, and taste. This is achieved through the study of selected texts with many implications that raise issues in spelling, grammar, composition, meaning, and inference, and the use of an old and modern thesaurus.

Prerequisites: ARB0099

ENGL0098: Elementary English**3 Cr Hr (3,0)**

Students will focus on English at an elementary level through the receptive skills of reading and listening and the productive skills of writing and speaking. English III is aimed at students who have achieved a grade of between 0 and 60 on the English Placement Test. This course is zero credit hours. This course enables students to contribute their own knowledge or experience in speaking activities, and use the language correctly. The exposure to a wide variety of listening material with a variety of accents, including some non-native speakers of English improves their level. English III integrates the focus on individual sounds of word and sentence stress where students are encouraged to copy the rhythm of English. Pronunciation is also integrated into Grammar and Vocabulary activities.

ENGL0099: Intermediate English**3 Cr Hr (3,0)**

Students will focus on English at an intermediate level through the receptive skills of reading and listening and the productive skills of writing and speaking. English IV is aimed at students who have successfully passed English III or achieved a grade of between 61-80 on the English Placement Test. This course is zero credit hours. Attendance: Students are required to attend regularly according to the regulations of GJU and should provide the instructor with official excuses in case they are absent for a long time. Participation and homework: Students are required to participate in the group discussion in class. Interaction is necessary as well as oral presentations will be given to measure how fluent students are and to improve their skill of speaking. Medium of communication: GJU email, face to face (on campus) and during office hours. Teaching method: Explaining, discussing and doing the exercises given to students.

Prerequisites: ENGL0098

ENGL1001: Upper Intermediate English**3 Cr Hr (3,0)**

“Education is the ability to listen to almost anything without losing your temper or your self-confidence.” Robert Frost (1874 - 1963) English V is aimed at students who have achieved a passing grade in English IV or a grade between 81 and above on the English Placement Test. English V is equal to three credit hours. Students will focus on English at an upper intermediate level. Students will analyze and produce essays with an emphasis on argumentation and persuasion working both independently and cooperatively to gather, evaluate, and synthesize necessary information. Class activities include interactive lectures, small group and class discussions, informal debates, peer feedback, individual presentations, focused listening exercises and focused viewing exercises as well as assorted reading, writing, and grammar assignments. There will be some poetry analysis together with reading and understanding a short story and a drama using basic literary terms and concepts. Note: The process of argumentation enables us to clarify and develop our own responses to important issues, and a significant part of that process involves dialogue with both those who share our opinions and those who do not. In order to participate responsibly and effectively in meaningful dialogue, we must maintain an attitude characterized by openness, responsibility, rationality, and respect for all participants. Upon finishing this level, all students are eligible to receive an English language proficiency letter indicating their level according to the Common European Framework Reference for Languages (CEFR) varying between B1 and B2 according to the grade they get upon finishing this level.

Prerequisites: ENGL0099

ENGL1002: Advanced English**3 Cr Hr (3,0)**

English VI, is the last of the English levels at the German Jordanian University to arm graduates with the best command of the English language in its varied aspects: Reading, Writing, Speaking, Listening and Understanding. It is aimed at students who successfully pass English V and it is three credit hours. This level focuses on a higher level of enhancement of their language. Students can address any audience, through delivering a persuasive speech, making an informative presentation, or analyzing controversial News through News Analysis. The students' Thesis Statements are backed up with: mistake-free language, persuasive logic and verified statistics, numbers and facts to convince the audience with their points of view. Other tools are enhanced involving their language, including specific terminology, tone, intonation and body language to make them acquire the best outcome. Students can also address any topic in writing. With the language skills provided in this level, GJU graduates become more equipped with outstanding abilities and get better chances in the work market, in

addition to their knowledge and education in the major fields. The assessment of the students applies Bloom's Taxonomy where the learning objectives are classified according to the different domains including: learning (remembering), understanding, applying, analyzing, evaluating, the creating. Upon finishing this level, all students are eligible to receive an English language proficiency letter indicating their level according to the Common European Framework Reference for Languages (CEFR) varying between B2, C1 or C2 according to the grade they get upon finishing this level.

Prerequisites: ENGL1001

GERL101B1: German I B1 track **3 Cr Hr (9,0)**

By the end of this module, the student will be able to:

- Comprehend very familiar, everyday expressions and very simple sentences and structures related to areas of most immediate relevance according to the discretionary standards in the *Common European Framework of Reference for Languages* (CEFR) at the Level A1.1 (beginners without pre-knowledge).
- Introduce herself/himself and others, express likes and dislikes, fill out a personal form, ask questions and give answers in present and partially in past tense, set private and semi-official appointments, describe people and things and express frequency and quantity in a very basic way both orally and in writing.
- Communicate with native speakers on a very basic level if those involved in the conversation speak slowly and clearly and are willing to support the non-native speaker.

Prerequisites: Intensive pre-course (only for 1st semester of an academic year)

GERL102B1: German II B1 track **3 Cr Hr (9,0)**

By the end of this module, the student will be able to:

- Understand and use familiar, everyday expressions and very simple sentences and structures related to areas of most immediate relevance according to the discretionary standards in the *Common European Framework of Reference for Languages* (CEFR) at the level A1.2 (basic users).
- Introduce herself/himself and others, express likes and dislikes, fill out a personal form, ask questions and give answers in present and past tense, set private and official appointments, describe people and things, ask for directions, express frequency and quantity in a basic way both orally and in writing.
- Communicate with native speakers on a very basic level if those involved in the conversation speak slowly and clearly and, if need be, are willing to support the non-native speaker.

Prerequisites: GERL101B1

GERL201NU German III-NU Nursing track **3 Cr Hr (6,0)**

By the end of this module, the student will be able to:

- Understand and use familiar, frequently used expressions and simple sentences and structures related to areas of a wider immediate relevance according to the discretionary standards in the *Common European Framework of Reference for Languages* (CEFR) at the level A2.1 (basic users).
- Talk about their academic and/or professional background, describe their living conditions, express likes and dislikes, ask questions and give answers in present and past tense, ask for help and support, make suggestions and give advice, describe health problems and talk with medical doctors and nurses, express pity, sorrow and hopes, express frequency and quantity in a basic way both orally and in writing.
- Communicate with native speakers within simple and familiar tasks requiring a simple and direct exchange of information on familiar and routine matters.

Prerequisites: GERL102B1 or GERL102B2

GERL202NU German IV-NU Nursing track **3 Cr Hr (9,0)**

By the end of this module, the student will be able to:

- Distinguish between familiar expressions, sentences and structures related to areas of immediate relevance and more elaborated components like the main points of clear standard input on familiar matters regularly encountered in work, school, leisure etc. according to the discretionary standards in the *Common European Framework of Reference for Languages* (CEFR) at the level A2.2 (basic users).

- Talk about personal experiences with languages, express feelings of happiness, joy and discomfort, describe own media consumption habits, describe travel experiences, convince others, describe and report in official situations, describe statistics, write formal invitations and short emails, make suggestions and talk about future events and situations, describe dreams hopes and ambitions and briefly give reasons or explanations for opinions and plans.
- Communicate with native speakers about essential points and ideas in familiar contexts.

Prerequisites: GERL201NU or GERL201B1

GERL301NU: German V Nursing track

3 Cr Hr (9,0)

By the end of this module, the student will be able to:

- Understand the main points of clear standard input on familiar matters regularly encountered in work, school, leisure etc. according to the discretionary standards in the *Common European Framework of Reference for Languages* (CEFR) at the level B1.1 (independent user).
- Deal with most situations likely to arise whilst traveling in an area where German is spoken, produce simple connected texts on topic which are familiar or of personal interest, describe experiences and events, dreams, hopes and ambitions, statistics, and briefly give reasons and explanations for opinions and plans.
- Understand the main point of many radio or TV programmes on current events and topics, understand the description of events, feelings and wishes in personal letters, write personal letters/texts describing experiences and impressions, write straightforward connected texts on topics which are familiar or of personal interest.
- Communicate with native speakers about essential points and ideas in familiar contexts and about topics of personal or partially professional interest.
- Follow a lecture or talk within her/his field, provided the subject matter is familiar and the presentation straightforward and clearly structured.
- Understand simple technical information, such as operating instructions for everyday equipment.

Prerequisites: GERL202NU or GERL202B1 or GERL201B2

GERL302NU German VI-NU Nursing track

3 Cr Hr (6,0)

By the end of this module, the student will be able to:

- Understand the main points of clear standard input on familiar matters regularly encountered in work, school, leisure etc. according to the discretionary standards in the *Common European Framework of Reference for Languages* (CEFR) at the level B1.2 (independent user).
- Deal with most situations likely to arise whilst traveling in an area where German is spoken, produce simple connected texts on topic which are familiar or of personal interest, describe experiences and events, dreams, hopes and ambitions and briefly give reasons and explanations for opinions and plans.
- Understand the main point of many radio or TV programmes on current events and topics, understand the description of events, feelings and wishes in personal letters, write personal letters/texts describing experiences and impressions, write straightforward connected texts on topics which are familiar or of personal interest.
- Communicate with native speakers about essential points and ideas in familiar contexts and about topics of personal or partially professional interest.
- Follow a lecture or talk within her/his field, provided the subject matter is familiar and the presentation straightforward and clearly structured.
- Understand simple technical information, such as operating instructions for everyday equipment.

Understand all characteristics of the official B1 exam according to the CEFR and use different strategies to overcome obstacles while solving said exam and all its components.

Prerequisites: GERL301NU or GERL301B1 or GERL202B2

GERL401NU: German VII-NU Nursing track

3 Cr Hr (9,0)

By the end of this module, the student will be able to:

- Largely understand and produce rather complex texts on both concrete and abstract topics, including technical discussions in her/his field of specialisation and according to the discretionary standards in the *Common European Framework of Reference for Languages* (CEFR) at the level B2.1 (independent user).
- Interact with an initial degree of fluency and spontaneity that makes regular interaction with native speakers quite possible without strain for either party.
- Largely understand standard spoken language, live or broadcast, on both familiar and unfamiliar topics normally encountered in personal, social, academic or vocational life.
- Show a relatively high controlled degree of grammatical control without making errors which cause misunderstanding and with the growing ability to correct most of her/his mistakes.
- Largely follow essentials of lectures, talks, reports and other forms of academic/professional presentation which are propositionally and linguistically complex.
- Understand announcements and messages on concrete and abstract topics spoken in standard dialect at normal speed.
- Scan quickly through long texts, locating relevant details and understand and exchange complex information and advice on the full range of matters related to her/his occupational role.
- Understand the main characteristics of the official B2 exam according to the CEFR and use different strategies to overcome obstacles while solving said exam and its different components.

Prerequisites: GERL302NU or GERL302REG and Full B1 certificate

DES101: Arts Appreciation

3 Cr Hr (3,0)

An introductory course designed for non-art students to give them the basic knowledge of arts and simple approaches to the understanding of the history, development, elements, criticism, esthetics and materials of different art forms (visual, aural and performing arts). A comparative approach between the different arts is given to enhance the students' global understanding of arts and to give them the ability to look at art works and form their own opinions. The course is combined with examples of audio and visual arts.

Prerequisites: ARB0099, ENGL0098

IC101: Intercultural Communication

3 Cr Hr (3,0)

This course is designed to provide prospective students (whose majors have an international flavor) with tools that offer powerful possibilities for improving the communication process. We will examine the process of sending and receiving messages between people whose cultural background could lead them to interpret verbal and nonverbal signs differently. We will learn about the diversity of these cultural differences and at the same time learn how we might overcome them. Our efforts to recognize and surmount cultural differences will hopefully open up business opportunities throughout the world and maximize the contribution of all the employees in a diverse workforce.

Prerequisites: ENGL0098

BE302: Business Entrepreneurship

3 Cr Hr (3,0)

The course focuses on critical skills necessary to develop appropriate financing strategies for new venture creation and growth. Students will use case studies and team projects in course studies. Three primary topics are covered: first, an overview of the entrepreneurial finance process and involved players; second, performing business valuations; and third, securities law with emphasis on developing term sheets and private placement memorandums. Student teams will complete a valuation and mock securities offering for an existing small to mid-size business. Financial valuations and terms sheets developed by student teams will be presented to a panel of venture capital professionals for evaluation and critique.

Prerequisites: ENGL0098

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3 Cr Hr (3,0)

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Prerequisites: ARB0099, ENGL0098

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Prerequisites: ENGL0098

MILS100: Military Science

3 Cr Hr (3,0)

History of the Jordanian Arab Army. United Nations Peace Keeping Forces. Preparation of the nation for defense and liberation. History of the Hashemite Kingdom of Jordan and its development.

NE101: National Education

3 Cr Hr (3,0)

In a context of striving towards democracy like the one Jordan enjoys today, the meaning and practice of active and responsible citizenship becomes more crucial. It is often argued that democracy requires "democrats" to flourish, and become well established. Democrats are those women and men who recognize pluralism, inclusion, positive engagement, and participation as the main values that govern their interaction with the state as citizens and with each other as diverse people of different interests. In this course you will be able to understand your rights and responsibilities as Jordanian citizen expand your knowledge about the frameworks, and processes that regulates citizen-state relationships as well as the basic necessary skills for you to practice your citizenship rights in a civic manner.

SE301: Social Entrepreneurship and Enterprises

3 Cr Hr (3,0)

This course will serve as an introduction to the field of social entrepreneurship and social enterprises. Through lectures, field visits, analyses of relevant literature, case studies and exercises, this course will explore social entrepreneurship's potentials, opportunities and limitations. The topics will cover Defining Social Entrepreneurship. Contextualizing Social Entrepreneurship (need, motives, forms, criteria). Role of Leadership, Creativity and Innovation. Locating SE on the profit/non-profit continuum. SE in the larger fields of development, social change, community activism. Social Enterprises (Missions, Markets, Finances). Ethical business and corporate social responsibility.

Prerequisites: ENGL0098

SFTS101: Soft Skills

3 Cr Hr (3,0)

This course is designed to help develop strong oral and written communication skills. The student will be given opportunities to practice writing and editing professional correspondence and technical reports. Additionally, the student will compose and deliver oral presentations. Assignments will include the use of inductive and deductive approaches to conveying a variety of messages. The course emphasis the use of software tools to prepare presentations, stress management, confidence, and sensitivity to others. It also stresses on resume writing and conducting interviews.

Prerequisites: ENGL0098

PE101 Sports and Health

3 Cr Hr (3,0)

The course focuses on identifying and summarizing the important features of Health Culture in human lives and to link between sports and health, important concepts and principles of first aid to treat any accidents, identifying nutrition science by recognizing the essential food elements, components and facts, and identifying and understanding Olympic values and practices. Topics covered include Introduction to sports and health; Health and

fitness; Physical fitness (component, benefits); Nutrition; Obesity; Diabetes; Olympic; Olympic values; Sports in Jordan; Doping; Smoking; Sport injuries and first aid; Hooliganism.

Prerequisites: ARB0099

EI101 Leadership and Emotional Intelligence

3 Cr Hr (3,0)

The course focuses on better understanding and managing people's emotions, and how to control the emotional impact they have on others to optimize any situation. In addition, to apply necessary skills to be leaders both in their personal and professional lives, distinguishing the various styles of leadership and when and how to apply them. Topics covered include Assessing Your Emotional Intelligence. Universal Emotions; Triggers and emotional hijacks; Daniel Goleman's EI Model: Self-awareness; self-management; empathy; social skills; Women in leadership roles; Emotional labor; Understanding the science of moods; Mirroring and emotional contagion; Leadership vs. management; Top 10 leadership qualities of a manager; Ethics and leadership; Leadership that gets results (leadership styles); Feedback; Teamwork; Self-improvement: Comfort zone; Being realistic; Antithesis theory.

Prerequisites: ENGL0098