Accreditation Agency in Health and Social Sciences

AHPGS

Self-Study of

Bachelor of Nursing Program

Mansoura University
Faculty of Nursing
Bachelor Nursing Program

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List of Abbreviation

CP	Credit Points
CSc	Sciences
ECTS	European Credit Transfer System
EKB	Egyptian Knowledge Bank
FLDP	Faculty and Leadership Development Program
GPA	Grade Point Average
HEIs	Higher Education Institutions
ILOs	Intended Learning Outcomes
MERC	Medical Experience Research Center
MSc	Medical sciences
NAQAAE	National Authority for Quality Assurance and Accreditation of Education
NARS	National Academic Reference Standards
NSc	Nursing Sciences
QA	Quality Assurance
SDG	Sustainable Development Goals
SWL	Student Workload
MUHs	Mansoura University Hospitals
MOHHs	Ministry of Health Hospitals
MCH	Maternal and Child Health centers

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Self- Evaluation Report

Applying university	Mansoura University
Title of study program	Bachelor of Nursing Science
Date of initial accreditation, if applicable	National Accreditation : 25/8/2014
	National Reaccreditation : 5/10/2020
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1. Study Program Background and Concept

Faculty of Nursing, Mansoura University established in 1994 by Republican Decree No. 287 of 1994. The aim was to graduate qualified nursing specialists for the labor market in various health systems and hospitals. The faculty received the first class of 27 girls' students in the academic year 1994/1995. The first graduated batch of 21 students was in the academic year 1997/1998. The faculty graduated 25 batches since1997/1998 till 2021/2022. The faculty celebrated its silver jubilee last year 2020/2021 . In line with the needs of the local and global labor market, and in accordance with the introduce of the National Academic Reference Standards which defined the specifications, the role and the attributes of nursing graduates. The Bachelor's program was updated to the credit hour system, which approved by Decree No. (3269) on 16 / 08/2012. The program aims to teach students the subjects needed for labor market and to equip them with knowledge & skills they need to deliver the best patient care. Another amendment was made to adopt the unified franchise regulation for internship year by Ministerial Decree No. (4754) dated 9/22/2016 which contributes to updating new mechanisms for training and clinical evaluation

The program and its modules specification are generated based on the NARS which is published in 2009 **(annex 1.a)** By National Authority for Quality Assurance and Accreditation of

Education (NAQAAE) .A new NARS is lunched in 2017**(annex 1.b)** . NAQAAE body in Egypt gave the faculties a transition time to move for the new NARS of Competent Based Curriculum for updating the academic program. Faculty of Nursing is a member in The Scientific Society of Arab Nursing Faculties and joining many of the international collaboration agreements for staff exchanges with approved International bodies and organizations

1.1 Structural data of the study program

1.1.1 Name of University/ Faculty.

Mansoura University, Faculty of Nursing.

1.1.2 Name of other universities, companies and other institutions that are involved in the study program as well as an explanation of the cooperation

Ministry of Higher Education (MOHE) Ministry of Health (MOH) Ministry of Education (MOE) and Ministry of Social Solidarity (MOSS) are the main bodies involved in the program including different affiliated bodies such as Faculty of Medicine, Sciences, Pharmacy, Education, Arts, Physical Education and Faculty of Law. In addition to different hospitals and training units from different Public health care system, , Health Insurance System, in addition to Elderly homes, Nursery, Schools. For internship training, there are yearly approved agreements with the highly prestigious hospitals to train the interns as Children Cancer Hospital Egypt 57357, Saudi German Hospital, and Magdy Yacoub Heart Foundation**. (annex .1.1.2)**

Table 1.1.2a. Name of University Institutions involved in teaching the program

Name of institutions	Teaching Courses
Faculty of Medicine	- Anatomy - Physiology - Parasitology - Pharmacology - Microbiology and Immunology - General Medicine - General Surgery - Pathophysiology and Clinical Pathology - Psychiatric Medicine
Faculty of Sciences	- Biochemistry - Bio- Physics
Faculty of Education Faculty of Arts	- English Language 1 - English Language 2
Faculty of Physical Education	Physical Fitness and Motor Balance
Faculty of Law	Foundations of Legal aspects and Human rights

Table 1.1.2.b. Name of Hospitals and related associations that are involved in clinical training in the program

Name of Institutions	Clinical experiences
Mansoura University Hospitals and its specialties centers	All clinical experiences in different levels
MOH hospitals, MCH centers, Psychiatric Hospitals	Maternity, different General clinical subjects, Psychiatric Nursing, community Nursing
Sandoob Hospital, Insurance System	Maternity, different General clinical subjects
Foundation, Primary and secondary Schools, Factories,	Community Health Nursing, Field trips
Geriatric Homes	Gerontological Nursing
Mansoura University Hospitals and Centers, MOH Hospitals, Private Hospitals, NGOs Hospitals	Internship Training

1.1.3 Title of the study program, title of previous study program

Bachelor of Nursing Science Credit Hour System

1.1.4 Degree level

Bachelor degree

1.1.5. Language of studies

English

1.1.6. Type/form of study program, explanation of the organizational structure (with specification of the days of the week and times of compact courses and explanation for the form of the study program.

Bachelor of Nursing Science program is a full time 144 credit hours system. The program is 4 years and one year internship. Each an academic year is divided into two main semesters and an optional summer semester. Each semester is a total of 18 credit hours for 15 weeks followed by the summative assessment including oral, clinical and theoretical exams. While the summer semester is 8 weeks followed by the summative assessment. The study based up on a weekly timetable plan, the classes are offered full-time on all weekdays (Saturday to Thursday) from 8.00 am till 5.00 pm. Where students are divided into two groups or more in theoretical lectures and into several small groups in clinical training. Each semester has a separate timetable plan during the whole semester. Study plans are prepared and approved by Faculty Council before the beginning of the semester

First year contains courses such as anatomy, physiology and fundamental nursing, etc., which are considered the basis for what will be studied in the following years. During the other three years students learn how to provide care for long-term conditions and gain an appreciation for providing nursing care, including health assessment, decision-making, communication, leadership and how to care for different specialties such as first aid, critical care, maternal health, pediatrics, geriatrics, mentally ill and community health.   Then, the final internship year is rotating training program according to the approved training schedule in different specialties. Upon the completion of the program the students will be ready for graduation, and they will be recruited obligatory by the Ministry of Health in the different health care sectors all over the country. The distribution is

depending on the shortage in certain geographical areas. The top of the graduated students are recruited yearly at the faculty as a new hired academic staff members according to the approved three years plan for hiring new staff as demonstrators
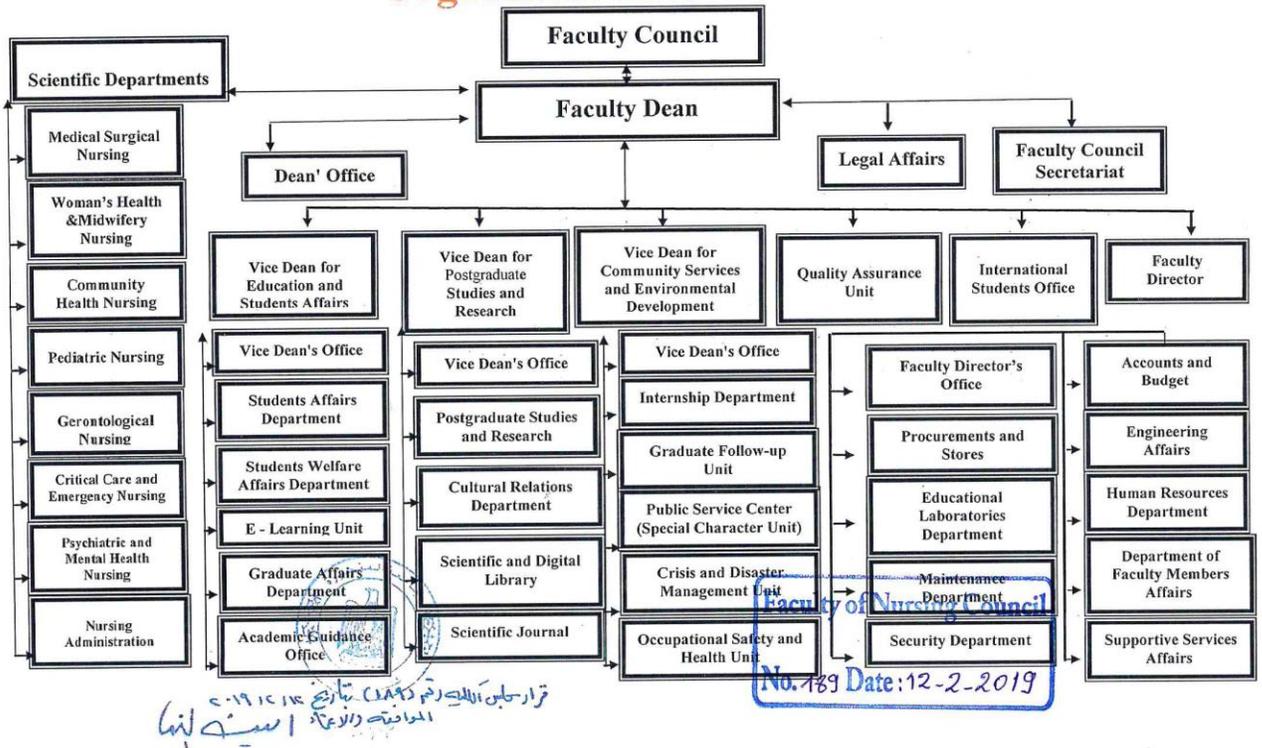
Figure. 1.1.6. Organizational Structure of the Faculty of Nursing. Approved by Faculty council 12/12/2019

وحدة ضمان الجودة

1.1.7. Workload and number of credit points (CP) awarded in the study program according to the European Credit Transfer System (ECTS):

The program workload is regulated by the faculty bylaw 2012 in which there is the description of the credit hour system used. Credit hours are calculated based on the number of theoretical and practical hours per week. Regular study period of the program is 8 semesters (4 years). The total credit hours equal 144 hours with 240 ECTs. The total of the program contact hours equals 7200 without internship year. The total workload is determined by calculating the net teaching lecture time, hours of practical training in the laboratory, hospital and field training, hours of students' self-study for theoretical lectures, practical training, and educational activities assigned to the students. The study program comprises 52 obligatory modules which must be completed on a full-time basis within 8 semesters / 4 years. In internship, the students are expected to do a mandatory one year, the internship year includes 12 credited hours, equal 36 actual contact hours weekly. The total number of hours for the internship year is 1,692 hours. Internship students are distributed to be trained in the morning, afternoon and night shifts, to work all days of the week, and one day off per week.

Table 1.1.7 Workload and number of credit points (CP) awarded in the study program according to the European Credit Transfer System (ECTS)

Study Program with European Credit Transfer System (ECTs)

Course	Total number of hours/weeks				Credit	ECT	SWL	Theoretical		Practical training				Learning activities
	Lectures	lab	Clinical	field				Lectures contact hours	Self-study hours	Lab training contact hours	Clinical training contact hours	Field training	Self-study	
First Year- 1st semester (Module 1)														
Fundamental Nursing (I)	2	4	_	_	6	10	300	28	56	112	-	-	35	69
Fundamental Community and Environmental Health	2	_	_	1	3	5	150	28	28	-	-	56	-	38
Anatomy	2	1	_	_	3	5	150	28	56	28	-	-	28	10
Biochemistry	1	1	_	_	2	3	90	14	38	28	-	-	-	10
Bio-Physics	1	_	_	_	1	2	60	14	36	-	-	-	--	10
English Language (1)	2	_	_	_	2	3	90	28	40	-	-	-	-	22
Physical fitness and motor balance	_	1	_	_	1	2	60	-		28			32	
Total	**10**	**7**	__	**1**	**18**	**30**	**900**	**140**	**254**	**196**	**-**	**56**	**95**	**159**

First Year- 2nd semester (Module 2)														
Course	Total number of hours/ weeks				Credit	ECTs	SWL	Theoretical		Practical training				Learning activities
	Lectures	lab	clinical	field				Lectures contact hours	Self-study hours	Lab training contact hours	Clinical training contact hours	Field training	Self-study	
Fundamental Nursing (2)	2	1	2	_	5	9	270	28	56	28	84	-	10	64
First Aid and Accident	1	1	_	_	2	3	90	14	28	28	-	-	5	15
Health Assessment in Nursing	1	1	1	_	3	5	150	14	28	28	42	-	10	28
Physiology	2	-	-	-	2	3	90	28	52	-	-	-	--	10
Microbiology and Immunology	1	1	_	-	2	3	90	14	28	28	-	-	10	10
Parasitology	1	_	_	_	1	2	60	14	36	-	--	-	-	10
English Language (2)	2	_	_	_	2	3	90	28	40	-	-	-	-	22
Nursing Ethics	1	_	_	_	1	2	60	14	28	-	--	-	-	18
Total	11	4	3	-	18	30	900	154	296	112	126	0	35	159

Second Year- 3rd semester (Module 3)													
Course	Total number of hours/ weeks				credit	ECTs	SWL	Theoretical		Practical training				Learning activities
	Lectures	lab	clinical	field				Lectures contact hours	Self-study hours	Lab training contact hours	Clinical training contact hours	Field training	Self-study	
Medical Surgical Nursing (I)	2	1	2	_	5	8	240	28	56	28	84	-	10	34
Strategy of Nursing Education and Health education	2	_	1	_	3	5	150	28	56		42			24
Pharmacology	3	_	_	_	3	5	150	42	90	-	-	-	-	18
General Medicine	2	_	_	_	2	3	90	28	56	-	-	-	-	6
Applied Nutrition	1	_	_	_	1	2	60	14	28	-	-	-	-	18
Communication skills and human relationships	1	_	_	_	1	2	60	14	28	-	-	-	-	18
Foundations of Legal aspects and Human rights	2	_	_	_	2	3	90	28	62	-	-	-	-	
Culture Competency	1	_	_	_	1	2	60	14	28	-	-	-	-	18
Total	**14**	**1**	**3**	**-**	**18**	**30**	**900**	**196**	**404**	**28**	**126**	**0**	**10**	**136**

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Second Year- 4th semester (Module 4)														
Course	Total number of hours/ weeks				credit	ECTs	SWL	Theoretical		Practical training				Learning activities
	Lectures	lab	clinical	field				Lectures contact hours	Self-study hours	Lab training contact hours	Clinical training contact hours	Field training	Self-study	
Medical Surgical Nursing (II)	2	1	2	_	5	8	240	28	56	28	84	-	10	34
Emergency Nursing	3	1	2	_	6	10	300	42	84	28	84	-	20	42
General Surgery	1	_	_	_	1	2	60	14	28	-	-	-	-	18
Pathophysiology and Clinical Pathology	2	1	_	_	3	5	150	28	56	28	--	-	-	38
Fundamentals of human behavior in Wellness and Illness	1	_	_	_	1	2	60	14	28	-	-	-	-	18
Elective	2	_	_	_	2	3	90	28	40	-	-	-	-	22
Total	11	3	4	-	18	30	900	154	292	84	168	0	30	172

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Course	Total number of hours/ weeks				credit	ECTs	SWL	Theoretical		Practical training				Learning activities
	Lectures	lab	clinical	field				Lectures contact hours	Self-study hours	Lab training contact hours	Clinical training contact hours	Field training	Self-study	
Pediatric Nursing	3	1	3	_	7	**11**	**330**	42	84	28	126	-	10	40
Nursing Administration 1	2	_	2	_	4	**6**	**180**	28	36	-	84	-	-	32
Family Health Nursing	1	_	2	_	3	**5**	150	14	28	-	84	-	-	24
Pediatric Medicine	1	_	_	_	1	**2**	**60**	14	28	-	-	-	-	18
Pediatric Surgery	1	_	_	_	1	**2**	**60**	14	28	-	-	-	-	18
Developmental psychology	1	_	_	_	1	**2**	**60**	14	28	-	-	-	-	18
Elective	1				1	**2**	**60**	14	28	-	-	-	-	18
Total	**10**	**1**	**7**		**18**	**30**	**900**	**140**	**260**	**28**	**294**	**0**	**10**	**168**

Third Year- 6thsemester (Module 6)													
Course	Total number of hours/ weeks				credit	ECTs	SWL	Theoretical	Practical training					Learning activities
	Lectures	lab	clinical	field				Lectures contact hours	Self-study hours	Lab training contact hours	Clinical training contact hours	Field training	Self-study	
Maternal and Gynecological Nursing	3	1	3	_	7	11	330	42	84	28	126	-	10	40
Nursing Administration 2	2	_	3	_	5	9	270	28	56	-	84	-	40	62
Midwifery	2	1	1	_	4	7	210	28	56	28	42	-	20	36
Introduction to Research methodology	2	_	_	_	2	3	90	28	50	-	-	-	-	12
Total	9	2	7	-	18	30	900	126	246	56	252	0	70	150

Fourth Year- 7thsemester (Module 7)														
Course	Total number of hours/ weeks				credit	ECTs	SWL	Theoretical		Practical training				Learning activities
	Lectures	lab	clinical	field				Lectures contact hours	Self-study hours	Lab training contact hours	Clinical training contact hours	Field training	Self-study	
Community Health Nursing	3	1	2	1	7	11	330	42	60	28	84	56	20	40
Gerontological Nursing	2		1	1	4	7	210	28	56	-	42	46	-	38
Evidence-Based Nursing	1	1		1	3	5	150	14	14	28	-	56	-	38
Geriatric Medicine	1		_	_	1	2	60	14	28	-	-	-	-	18
Epidemiology	1	_	_	_	1	2	60	14	28	-	-	-	-	18
Biostatistics	1	1	_	_	2	3	90	14	14	28	-	-	-	34
Total	9	3	3	3	18	30	900	126	200	84	126	168	20	186

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Course	Total number of hours/ weeks				credit	ECTs	SWL	Theoretical		Practical training				Learning activities
	Lectures	lab	clinical	field				Lectures contact hours	Self-study hours	Lab training contact hours	Clinical training contact hours	Field training	Self-study	
Psychiatric and Mental Health Nursing	3	_	3	_	6	10	300	42	82	-	126	-	10	40
Critical Care Nursing	3	1	2	_	6	11	330	42	84	28	84	-	30	62
Psychiatric Medicine	2	_	_	_	2	3	90	28	56	-	-	-	-	6
Application of Information Technology in Health Care Field	1	1	_	_	2	3	90	14	28	28	-	-	-	20
Elective	2	_	_	_	2	3	90	28	40	-	-	-	-	22
Total	**11**	**2**	**5**		**18**	**30**	**900**	**154**	**290**	**56**	**210**	**0**	**40**	**150**

Fourth Year- 8thsemester (Module 8)

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- Attendance time or number of contact hours in the study program overall as well as the share of self-learning time (and work placement time during the study program) in hours,

The students must attend full time for the Bachelor of Science in Nursing program, the total 8 semesters / 4 years where, the total number of contact hours in the study program equal 7200 contact hours . divided into theoretical part which is 3432 (1190 hours for lectures &2242 for self study) and practical hours which is 2470 contact hours, it is divided into clinical Lab 644 hours, clinical placement training for 1302 hours and field training is 214 hours, student self-study for practical part is 310 hours) and the workload assigned to students' activities is 1298 hours, either inside / outside the campus .

- One (1) Theory credit hour   = 1 contact hour

- One (1) Lab credit hour   = 2 contact hours

- One (1) Clinical credit hour = 3 contact hours

- One (1) Field clinical training credit hour   = 4 contact hours

The Bachelor of Science in Nursing program does not require a thesis for completion and awarding of degree.

1.1.8 Number of semesters required to complete the study program.

Regular study period of the program is 8 semesters (4 years), plus optional summer semester for required courses needed for upgrade or graduation at the university campus and a one-year compulsory rotatory internship at hospitals are required to complete the study program.

1.1.9 Initial enrolment in the study program

Students are admitted to baccalaureate nursing program in Egyptian universities after secondary school's particular science department with high scores and in the line with the admission requirements of the universities. The program last for 5 years. Four years studying courses and an additional clinical placement internship year. Graduates of the Technical Institute of Nursing have the opportunity to obtain a baccalaureate degree in Nursing, if they have high scores from their program. This allow them to joint BSc in Nursing as a second year student. The graduate

simultaneously applying for the license to have the compulsory hiring by MOH for 2 years. Nurses in Egypt are guaranteed full time employment immediately after graduation by the government.

1.1.10 Number of places available in the program

The number and places for the program are determined by Supreme Council for the Higher Universities which is affiliated to Ministry of Higher Education according to the number and scores of students graduated from the secondary school all over the country. However, the faculty is deciding on the number each year, but it is regulated by many political factors such as the geographical boundaries and the number of population in addition to the whole number of students going to universities each year.

Table 1.1.10. Level/semester student's enrolment details for the three academic years

Students Registration Details of the Academic Year 2021-2022			
Level/ Semester	No. of students		Total
	Male	Female	
Level 1	530	459	989
Level 2	487	1140	1627
Level 3	263	263	526
Level 4	263	411	674
Total	1543	2273	3816
Students Registration Details of the Academic Year 2020-2021			
Level 1	695	1159	1854
Level 2	536	1128	1664
Level 3	282	812	1094
Level 4	274	735	1009
Total	1787	3834	5621

Students Registration Details of the Academic Year 2019-2020			
Level 1	274	429	703
Level 2	152	400	552
Level 3	138	374	512
Level 4	166	398	564
Total	730	1601	2331

1.1.11 Tuition fees: specification of services that are covered by tuition fees

Mansoura University is a Governmental public University As the education in it is free which means the government is pay for student education all over but student are paying admission fees only ,The administrative fees determined by the Supreme Council of Universities and approved by the University Council each year. It reaches to less than 1000 Egyptian pound this year However, students who are unable to pay this little administrative fee are entitled for exemption by the approved committee each year.

1.2 Modularization of the study program and exam system

1.2.1 Modularization

- Total number of courses in the study program

Total of fifty two (52) courses along with four levels, which equal to144 credit hours. Out of total fifty two (52) courses, forty eight (48) courses are compulsory (139 credit hours). The compulsory courses are divided into 19 compulsory nursing courses (91 credit hours), 13 compulsory medical courses (24 credit hours), and 16 compulsory supporting and behavioral science courses (24 credit hours . (annex 1.2.1 referred to annex 1.3.3) .

Number of (required/elective) courses to be completed by the students in the study program

The students select three elective courses equal 5 credit hours out of total 18 elective courses to complete the credit study hours . The student can register the elective course starting from the second term in the first level .

Table 1.2.1.a Total Numbers of (required/elective) Courses of Bachelor Nursing Program

Program courses	Elective courses
Nursing courses	8
Medical courses	4
Supporting and behavioral science courses	6
Total	**18**

- Number of credits/units to be awarded per semester (particularly for part-time study programs)

The study program comprises 52 obligatory courses (19 Compulsory Nursing course , 13 Compulsory Medical courses ,15 Supporting courses and 5 Elective courses) have to be completed on a full-time basis within 8 semesters / 4 years, consisting of 144 credit hours. Each semester consisting of 12 -18 credit hours. A student with a cumulative average of less than or equal to 2 is not allowed to register for more than 12 credit hours in the semester. Outstanding students with a cumulative GPA of no less than 3 allowed to register 18-21 hours of an additional course of elective courses with a maximum of three hours.

Table 1.2.1.b.Number of Program Credit Hours to be Awarded

University requirement		Program requirement									% of courses	Elective courses		% of courses	Total Program hours	Internship hours
		Compulsory Nursing courses		Compulsory Medical courses		Supporting courses		Summer training courses								
Course No.	Credit HR.	Course No.	Credit HR.	Course No.	Credit HR.	Course No.	Credit HR.	Course No.	Credit HR.			Course No.	Credit HR.		144	1692
1	2	19	91	13	24	15	24	4	10	74.3		18	30 Equal 5hrs	25.7	Not include Training Courses	

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Information on periods of time during the study program for stays at other universities and/or in practice.

No periods of time during the study program in which the students may stay under the supervision of the other university, however, internship students, are allowed to spend their training in MOH Hospitals nearest to their residence, or in other highly prestigious hospitals, which has an agreement with the faculty

1.2.2 Number of program-specific modules as well as the number of modules that can be provided from other study programs at the university or studied together with students from other study programs (with specification of the respective scope in credits/units).

- Information on ensuring the program-specific module objectives in the modules offered together with other study programs of the university.

There are number of courses especially medical & supportive courses are taught by staff from different faculties inside the university . In the first year, the student study courses as Biochemistry, Bio physics, English language, Physical fitness and motor balance, physiology, Microbiology and immunology and Parasitology. These courses are provided by Faculty of Medicine, Faculty of Educational and Faculty of Physical education at the university. These courses aim to provide the students with the abilities to communicate effectively in English, improving their skills of reading and writing in academic English, enabling them to use various sources of basic knowledge and learning methods, and to prepare them for nursing science and allied health courses. *(Referral to table 1.1.2 Name of university Institutions that are Involved in teaching the nursing program).*

- Information on the organization of the modules used together with other study programs of the university (if applicable).**(Not applicable).**

Mansoura University and faculty of nursing are responsible for implementing the program. However, during the internship year, there are cooperation between the hospitals and health institutions to train the students, as Children Cancer Hospital Egypt 57357, Saudi German Hospital, and Magdy Yacoub Heart Foundation Hospital.

Table 1.2.2 The institutions that are responsible for training of internship students outside Mansoura city

Name of the institution	Address / web site
Children Cancer Hospital Egypt 57357	SekatHadid Al Mahger, Zeinhom, El Sayeda Zeinab, Cairo Governorate 4260102, Egypt http://www.57357.org/
Saudi German Hospital	Taha Hussein Rd, Huckstep, El Nozha, Cairo Governorate 4473303, Egypt https://www.linkedin.com/redir/redirect?url=http%3A%2F%2Fsghcairo%2Ecom&urlhash=EIWm&trk=about_website
MagdyYacoub Heart Foundation	72 kasr El Hagar St. Aswan Governorate, Egypt. https://www.myf-egypt.org/ar/contact-us/

1.2.3 Skill-oriented design of the exam system (orientation toward the defined educational objectives being pursued in the specific department and across multiple departments) and organization of the module-related exams.

The faculty approved the program specification from the faculty council based upon ,the approval from the scientific departmental councils. Each description include course aims, learning objectives, course contents, teaching and assessment methods. The assessment strategies are planned to match the instructional goals and objectives at the beginning of the semester and implemented throughout the semester. The selection of appropriate assessments also matches courses, program objectives and bylaw.

All the courses of the nursing program have specific learning objectives that are aligned with the program outcomes. Each course has 5-6 specific module outcomes, which are evaluated by appropriate assessment methods. Both direct and indirect assessment techniques are utilized to ensure that the desired program outcomes are achieved. The process of assessment is carried out by using a combination of course work such as quizzes, exams, seminars and presentations, etc., Where the grades on these exercises are directly tied to the course description.

- (Numbers and types of module exams (per semester and in the study program)

Formative and summative assessment methods are used for theoretical and clinical aspects of the program. They include assignments , projects, clinical logbooks , quizzes, clinical practice, checklists, observation, case presentations, , patient assessments and practical final examinations using the Objective Structured Clinical Examination (OSCE) structure, and other relevant assessment measures. Evaluation and assessment should use objective and credible tools

Students' performance during the semester is evaluated through a quizs and a practical task set for each module in coordination with other Modules in the same semester and the same level. Final exams are composed of (written, oral, and practical) which take place during the examination which is decided by the university it takes around 4 weeks . Re-examination is possible at the beginning of next semester if a student misses the first regular exam due to an acceptable excuse its is called incomplete . If a student fails the re-take exam, he or she will have to attend the class once again. As

mentioned before Faculty of Nursing is working hard to use the up to date in learning and assessment technology as using Incision Academy web for self learning of clinical experiences students are applied , attending the on line training is achieving the exams .students who achieve 3 learning training with 3 certificates will gain scores .

Table 1.2.3.a Assessment methods per semester in the study program

Assessment methods	Types	Time
Formative assessment	Quiz	4th and 9th weeks
	Clinical evaluations	5th and 9th weeks
	Assignments & Student activity	4th to 12th weeks
	Incision academy	4th week
	Research project	12th week
Summative assessment	Midterm	7th week
	OSCE (Clinical examination)	16th week
	Oral exam	16th week
	Final exam	17th

- Timing of the exams during the study program:

Midterm Examination: 7th week of the semester

Final theoretical and clinical examination: starts 16th to the end

-Repeatability of exams and timing:

For midterm exams, final theory and clinical exams, the students who are unable to take these exams are with acceptable excuses required to apply for re-examination. Based on the program's internal regulations ,the student submits a sick or social excuse to the departmental council who are responsible for teaching the course, the department council is sending the approval to the Committee of Education and students Affairs for re-examination, then to the Faculty Council, and the Faculty Council takes the appropriate decision case by case. Faculty board has the right, in extreme necessity, to accept the emergent excuse and allow for a re-sit exam, and in that case he/she will be granted the grade he/she has achieved after the examination.

- Information on the designation of the ECTS grading scale according to the current requirements of the ECTS Users' Guide,

Numerical grades for courses:

In all categories of courses, the students are assessed by a grade according to the following scale:

Table 1.2.3.b: University grading system used for evaluating the progress of the Bachelor Program students

Evaluation	Grade	Values Appreciation points	Verbal appreciation	Graded average
Very high achievement	A+	4.0	High excellent	90% and more
	A	3.6	Excellent	85<90
	B+	3.3	High very good	80< 85
Satisfactory Performance	B	3.0	Very good	75% <80%
	C+	2.6	High good	70% <75%
	C	2.3	Good	65% <70%
	D	2.0	Acceptable	60 % <65%
Fail	F	0.000	fail	<60%

The academic grade is a statement of a student's academic progress that includes all the studied courses in each semester with codes, numbers, credit hours, and the achieved grades. The record also shows the Grade Point Average (GPA) and the Cumulative Grade Point Average and statement of the general grade.

Calculating the grade point average for the semester (semester cumulative average):

The semester average (the average student grade for each academic semester) is calculated as follows:

[1] Multiplying the value of the course points obtained by the student in each academic course by the number of credit hours for that course

[2] Compilation of the value of all courses

[3] The sum of the value of these courses is divided by the total number of credit hours for the courses in which the student is registered.

-That is: the sum of the points obtained by the student ×Number of credit hours for the courses he studied ÷the total number of credit hours for the courses taken by the student

Cumulative GPA:

- The overall cumulative average: It is the average of the points the student obtains during the semesters, and it is rounded to two numbers only two decimals

-The student's cumulative average is calculated at the end of each semester

  =The cumulative general average is calculated as follows:

-Divide the sum of the product (Points for each course studied since joining the college until the time of calculating that average X number of credit hours) ÷ The total number of credit hours for these courses that the student has studied so far the time.

-The minimum GPA for graduation is 0.2

- Regulations on compensation measures for students with disabilities and chronic illnesses with regard to the scheduling and formal requirements in the study program, for graduating with certificates of achievement concluding or accompanying the course of study as well as within the framework of aptitude assessment procedures and on their publication by the university.(*Not applicable*)

1.2.4 Didactic concepts and methods of teaching (lectures, seminars, exercises, project work, study groups, work placement phases).

The faculty has its learning strategy which approved by Faculty Council number (193) in 15/5/2019 (**annex 1.2.4).** The teaching and education strategy adopted several learning styles in non-traditional teaching and assessment methods. It is including self-directed & cooperative learning, working in groups, research projects, problem-based learning, as well as using e-learning and activating the model system in teaching and electronic nursing courses have been activated by most departments, as well as peer learning, learning through simulation. Several non-traditional

sources and effective communication skills, which makes them more prepared for the requirements and challenges of the labor market.

The theoretical contents is taught through the interactive face-to-face lectures, in addition to recording the lecture, converting it into a video, and uploading it to the Mansoura University educational platform. Interactive lectures are also held with students on the educational platform. Teaching methods are highlighted in the course descriptions and program descriptions. It is communicated to all students at the beginning of the study and it is written in the electronic platforms

1.2.5 Integration of electronic/multimedia forms of teaching and learning (e.g. learning platform); integration of distance learning components/elements (with specification of their scope and contents)

Faculty of nursing acknowledging the E style in teaching and assessment since 2014. The faculty were having 4 E courses and applying the E exams correction techniques. After Covid 19 pandemic, Mansoura University has launched the E platform "Mansoura University Portal for Educational Content" for uploading educational materials, lectures electronically as well as to hold interactive lectures between faculty members and students, and also, for online quizzes. The students can also upload what has been accomplished from the educational activities assigned to them . Mansoura University platform can be accessed through the link http://vc.mans.edu.eg/ or through the student services portal Ibn Al-Haytham System - Mansoura University https://myu.mans.edu.eg/ where the students can access with their specific username and password.

1.2.6 Information on the integration of internships into the study program

The Internship Year, which is a mandatory intensive training period for all passed students after the fourth level. The internship year aims to optimally applying the theoretical and practical knowledge and skills acquired by the students during the study time , before being authorized to practice. Where students are distributed to different training places that cover all nursing specialties that have been studied throughout the four academic levels of the Bachelor of Nursing program such

as medical surgical nursing, critical care nursing, pediatric nursing, Gynecological and Obstetric nursing and psychiatric nursing. The training period for this year is 12 months (48 weeks). The faculty adopted the unified national regulations for nursing faculties, issued by the Supreme Nursing Sector Committee for Ministerial decree No. (4754) on (9/22/2016) (**annex 1.2.6.a**) .

The internship is regulating by internship committee who are represented from all departments and headed by the vice dean of community affairs .it is responsible for plans , implementation , follow up on training and approving the internship training year

The training are mainly in MUHs and in some MOHHs if students needs in addition to private hospitals who are having agreements with the faculty such as Magdi Yacoub Foundation for Research in the Heart, 57357 Foundation, Salam International Hospital). These institutions participate in providing training for students and supervising students in training places during the intern year.

-Information on the support/supervision of the internship by instructors of the university

The department of nursing administration at the Faculty follows up the affairs of internship by appointing annually a general coordinator for internship from the staff members in the department. A representative committee is formed from the different scientific departments headed by the Dean of the Faculty and the Vice Dean for Community Service and environmental Affairs. Each represented staff member of scientific department is responsible for the follow-up, supervision and evaluation of internship students group in one of the medical centers and hospital affiliated to Mansoura University. In each of the medical center affiliated to Mansoura University, there is an official member from the nursing staff to follow up on the internship students after distributing them to the different departments within the center or the hospital while the head nurse in each ward distributes the tasks to them, . A monthly report is given to the internship coordinator of the faculty (**annex 1.2.6.b)**

Information on the correlation of the practical contents with the intended objectives of the study program

According to the program and courses specifications, there is a group of matrixes to ensure the achievement of the program ILOs in the course's specifications (matrix of program ILOs and courses, Matrix of course ILOs and content). Intended Learning Outcomes divided into, Understanding ILOs, Intellectual ILOs, Professional ILOs and Transferable ILOs, the professional and transferable ILOs are the correlation related to the practical contents and experiences. Students utilize the basic knowledge gained early in the basic curriculum (e.g. basic sciences and basic clinical skills) as a foundation for the development of analytical skills. Clinical experiences interspersed throughout the professional curriculum serve to reinforce knowledge and skills acquired in the classroom , laboratories and clinical placements **.(annex 1.2.6.c referred to annex 1.3.3**) **.**

Information on quality assurance of the internship (e.g. Qualification of the practical instructors, practical instructor meetings; submit work placement regulations, if applicable).

A yearly internship training plan is activated for the new group. It includes 4 weeks condensed refreshment theoretical and practical training program at the Faculty campus before starting the compulsory training year. Internship students are supervised by faculty members and the supporting staff from all scientific departments of the faculty. The internship coordinator is responsible for supervising, following up and evaluating internship students in the practical training settings. The clinical instructors at the hospital provide periodic updates to the internship coordinator about the extent of their commitment to performing the tasks required of them and their commitment to attend on time . A monthly meeting is held for the internship coordinators, where any topics related to students or any problems they face during the training period are discussed (**annex 1.2.6.d**). Evaluation of students' performance during the internship period is based on the specification of the training program for the compulsory internship year by staff members from the faculty, in addition to the supervision of the nursing staff in hospitals using evaluation forms, in addition to the log book (**annex 1.2.6.e**)for each student designed by the scientific departments. The performance of internship students is evaluated during and after the end of each training period,

according to the evaluation system, which includes daily performance record, list of skills needed for each specialty and procedure check list .The evaluation form used between the different departments .In addition, general behavior with colleagues, health team members, and patients, general appearance , attendance rate and punctuality .In order to successfully pass the training internship year, the internship student must obtain at least 60% in each training specialization. Also, attendance of at least 90% of the scheduled training period in each training unit. In the event that an internship student fails in one or more training periods or the absence rate exceeds 10%, the student shall repeat the entire training period in the relevant unit at the end of the year. The opinions of service beneficiaries on the performance of internship students are also surveyed .A questionnaire is conducted to measure the extent of training institutions' satisfaction regarding the graduates' performance during the training period.**(annex 1.2.6.f**)

1.2.7. Integration of the research into the course of study

- Connection of the study program to the scientific research concentrations in the department/faculty or of the applying university (and of the co-operating universities, if applicable).

Building research abilities is one of the important program learning objective.   These principal and practice of research incorporated in nursing program to promote evidence-based nursing practice. The process of studying research embraces elaboration of theoretical knowledge of students, practical application of investigation methods and conducting research field. There are some courses which are provided during the different levels of the Bachelor of Nursing program that enhance students' knowledge and skills for scientific research, such as Introduction to research methodology, Bio-statistics, and Applied Evidence- Based Nursing which direct deal with research methods and research study. (**annex 1.2.7 referred to annex 1.3.3**).

Table. 1.2.7.Courses taught in the Bachelor of Nursing program which are related to the scientific research process

Course	Semester	Objectives of the course
Introduction to research methodology	6th semester	This course aims to provide students with the skills necessary to conduct scientific research and projects by using different concept and principles of research methodology
Applied Evidence- based nursing	7th semester	This course aims to enable students to demonstrate high technical skills in applying the principles of evidence based nursing during the clinical experience in one of nursing specialties
Bio-statistics	7th semester	This course aims to provide students with the skills necessary for applications of statistical methods in the field of health studies and health services

1.2.8 International aspects of the curriculum

The regulations of a number of international universities have been reviewed such as Arab Academy of Science and Technology; Michegan State University, Collage of Nursing, USA; Queen Margret University, Scotland; The University of Southern Queensland Australia; and University of Central Arkansas, USA. the systems used in their programs have been guided when developing a Bachelor's by law with credit-hours.

- Internationality of the contents of the curriculum.

Internationality of the contents of the curriculum is achieved by using and following the international text books in developing the scientific contents for all curriculum it is highlighted in all courses   description   for   example (https://drive.google.com/file/d/1JbswQACbVUsixknjJzlDOMIcJSAJCBEb/view?usp=sharing   While providing the core knowledge in the respective disciplines it remains consistent with international standards and guidelines and retains its harmony with the practices of the nursing in Egypt.

-Courses/modules instructed in foreign languages

The mode of instruction for all courses in the BSc. in Nursing Program is represented in English.

1.2.9 Internationality of the study program

- Options for studying abroad

As the curriculum development process has pervasively consulted and reviewed the related programs at many of the top universities around the world and had considered the scope for higher studies, expected employment needs in the private and public sectors for programs graduates. Therefore ,after obtaining the Bachelor of Nursing program with the credit hour system, graduates are pursuing their higher education in international universities and can obtain scholarships abroad to obtain a master's and doctorate degree , Also, many of international students from various Arab countries such as Saudi Arabia, Nigeria, Yemen and Iraq come to study Bachelor of Nursing and postgraduate studies at the Faculty of Nursing, Mansoura University.

- Options for mobility

The program allows the students for national mobility; students can transfer from one faculty to another inside Egypt according to the rules and regulations of mobility.

Objectives of the study program and their rationale

1.3.1. General objectives of the study program (aspects for specific departments and across multiple departments)

The general objectives of the nursing study programs :-

The goal of undergraduate nursing education is to prepare a general professional nurse who possesses the knowledge, skills, and attitudes that enable the students to fulfill the requirement of basic roles of BSc nurse. These basic roles are health care provide, research participant, health educator, and leader/ manager

1- 1.3.2 Qualification objectives of the study program

-With regard to scientific nursing program qualification,

Prepare general professional nurses to evolving concept of comprehensive nursing care and prepared to cooperate with other health professionals in meeting the changes in health needs of the society.

- Qualification to engage in a qualified occupation,

Develop creative and flexible educational approaches to provide outstanding educational experiences to our students in order to develop expertise in the profession of nursing care and nursing management.

-Qualification for social responsibility,

The curriculum of community health nursing course in the program aims to enable nursing students to deliver comprehensive health care for individuals, families, and communities in collaborate with other professionals and community health settings.

-Qualifications for personality development.

The curriculum of leadership, professionalism, and lifelong learning through involvement in the professional development forums and community interdisciplinary collaboration.

1.3.3. Output-oriented description of the departmental, methodical, learning and social skills/key skills as well as overarching skills (with specifications of the skill level, if applicable)

Bsc. program specification of Faculty of Nursing, Mansoura University was developed based upon the National Academic reference Standards (NARS) that developed by the "National Quality Assurance and Accreditation in Education (NAQAE)" according to NARS 2009. (annex. 1.3.3) . Each department has its own output aims according to its specialties and has its own plan for teaching & learning , community services & support and research activities .

 Program learning Outcomes :-

__Knowledge and Understanding__ :

A.1- Describe the basics of normal psychosocial human behaviors and interactions with consideration to social and cultural influences.

A.2- Discuss the abnormal psychological and mental conditions.

A.3- Describe the normal structure and functions of human body system across life span including biochemical and cellular mechanisms that regulate human body function and its biophysical influences.

A.4- Describe the altered structure and function of human body.

A.5- Discuss the contribution of various hazards and traumatic exposure on human being health status and its medico legal aspects.

A.6- Mention the various internal and external causes of communicable and non-communicable diseases with understanding of their mechanisms pathogenesis and diagnostic criteria across life span.

A.7- Discuss principles of pharmacological and non-pharmacological nursing intervention for different health conditions across life span at different healthcare settings.

A.8- Mention determinants of health by using the appropriate health indicators, statistical analysis and preventive measures of health problems among different population categories at different health care settings.

A.9- Discuss the basic leadership principles, administrative approaches and quality of care in nursing.

A.10- Mention the fundamental concepts and applications of communication, education and health education method.

A.11- Describe the basic principles of evidence- based practice and different types of research methodology.

Intellectual Skills:

B.1- Prioritize the use of different assessment tools, health indicators and approaches.

B.2- Correlates scientific facts with the actual manifestations in basis of human growth and developmental stages.

B.3- Integrates the results of health history, physical and laboratory test findings into a meaningful nursing diagnostic formulation with prediction of various risk factors of disease/ injury to determine nursing diagnosis of different health conditions.

B.4- Designs appropriate time- based nursing management strategies based on holistic care approach by using of available resources effectively.

B.5-Construct appropriate administrative strategies to overcome workload obstacles.

B.6- Utilize systematic thinking in judgment of individual, aggregates and community health needs/problems within context of holistic nursing care and health care organization.

B.7- Decide on nursing actions according to retrieved social- behavioral, medical and basic sciences combined with nursing prospective.

B.8- Coordinate health decisions related to nursing care of patient / client and their families.

B.9- Integrates the steps of evidence- based practice to problem solving of daily nursing activities in both individual and organizational level.

B.10- Utilize learner centered approach in implementing educational/ health educational activities to patient, families, or nursing staff in clinical settings.

B.11- Design educational program and staff development framework.

B.12- Judge professionally about the workplace conflicts and the appropriate conflict resolution technique.

B.13- Hypothesize about clinical and professional phenomenon/ problems.

Professional and Practical skills:

C.1- Perform complete general and specific physical examination to examine structure and functions of different body system.

 C.2- Utilize various assessment technologies to identify health problems in different age groups at different heath settings.

C.3- Conduct field studies related to population demographic characteristics, cultural constitutions, and health needs/problems using different assessment techniques.

C.4- Implement the international and/ or national approved guidelines and protocols of different nursing practices in dealing with different health conditions.

C.5- Apply the principles and precautions of patient and staff safety during delivery of nursing care including all human, environmental and procedural aspects by using the principles of evidence- based practice, legal and ethical aspects in the delivery of all nursing activities to ensure patients safety.

C.6- Perform basics technical procedures according to best evidence- based practice in both simulated and real practice.

C.7- Conduct steps of evidence- based practice for deciding about nursing activities.

C.8- Instruct patient and families about the available health care facilities that relevant to their social and health conditions.

C.9- Implement the appropriate health education model according to needs of target population.

C.10- Writes complete and accurate health assessment records including a clear decision about health needs/ problems.

C.11- Uses the available documentation formats in different health care facilities to accurately nursing care plan and the implemented actions in a way that ensure information confidentiality.

C.12- Measures accurately the effect of nursing actions on patients' health condition, their families and community in general by using different indicators.

C.13- Evaluates the nursing performance in different health care settings.

C.14- Implements the components of managerial skills in different health care facilities.

General and Transferable Skills:

D.1- Apply concepts of team building and team work strategies.

D.2-Apply the concepts of effective resource management and time management.

D.3- Prioritizes plan of actions.

D.4- Uses principles of communication techniques in professional manner with colleagues, patients and families and community.

D.5- Presents information accurately and clearly in written, electronically and oral   forms.

D.6- Create innovation in students teaching and evaluation methods.

C.7- Participate in educational programs for nursing workforce.

D.8- Upgrade their knowledge and skills as essential for life- long learning according to objective determination of their own learning needs.

D.9- Uses information technology efficiently.

D.10-Uses the electronic research database .

D.11- Apply the principles of problem solving systematically and effectively within socio- cultural and legal framework.

D.12- Interacts with challenges with the rapid growth of professional practice.

Attitude:

E.1 Apply the principles of ethics in daily professional activities.

E.2- Integrate patients' bill of rights to daily professional activities.

E.3- Apply the principles of privacy and information confidentiality in daily professional activities.

E.4- Establish a professional relationships with colleagues, less experienced nursing care providers and nursing students.

E.5–Demonstrate consultations and peer educations for colleagues, less experienced nursing care providers and nursing students.

E.6- Recognize the cultural diversity in health care.

E.7- Use verbal and non-verbal communications that accommodate diversity in cultural issues.

E.8- Instruct information to patient/ client and families in manners that adjust their intellectual levels and emotional status.

1.3.4. Presentation of the study program structure (e.g. which departmental or methodical foundations are laid in which modules and how these are built upon in which modules) and explanation for special forms of study (e.g. extra-occupational study)

The presentation of the study program structured guided by the program by law in which, there are many chapters guiding the courses or modules and its affiliation to different levels and departments stressing teaching the basics sciences and fundamental nursing the first level

The faculty sector for education & students affairs is responsible for following up the educational process and for setting schedule at the beginning of the academic year as well as all scientific department in the faculty are responsible for teaching the program courses , where the courses were distributed to each scientific department according to its specialization as well as the courses taught from outside are distributed among scientific departments to make a file for each course and also to follow the education process

First level-1ˢᵗ semester consists of Fundamental Nursing (I), Fundamental Community and Environmental Health, Anatomy, Biochemistry, Biophysics, English Language (1), Physical fitness and motor balance

First level-2nd semester consists of Fundamental Nursing (II), First Aid and Accident, Health Assessment in Nursing, Physiology, Microbiology and Immunology, Parasitology English Language (2) Nursing Ethics, which deals with the basic health nursing assessment , first aids and emergency care

Second level - 3rd semester consists of Strategy of Nursing Education and Health education, Pharmacology, General Medicine, Applied Nutrition, Communication skills and human relationships, Foundations of Legal aspects and Human rights as well as Culture Competency, which deals with the health education strategy , communication and human relationships.

Second Level - 4th semester consists of Medical Surgical Nursing (II), Emergency Nursing, General Surgery, Pathophysiology and Clinical Pathology, Fundamentals of human

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behavior in Wellness and Illness and Elective course, which cover knowledge related to medical and surgical nursing care.

Third Level- 5th semester consists of Pediatric Nursing, Nursing Administration 1, Family Health Nursing, Pediatric Medicine, Pediatric Surgery, Developmental Psychology, and Elective course, which cover knowledge related to pediatric nursing care and Nursing Administration.

Third Level - 6th semester consists of Maternal and Gynecological Nursing, Nursing Administration 2, Midwifery, and Introduction to Research methodology, which cover knowledge related to Maternal and Gynecological Nursing care and Research methodology.

Fourth Level - 7th semester consists of Community Health Nursing, Gerontological Nursing, Evidence- Based Nursing, Geriatric Medicine, Epidemiology, and Bio-statistics, which deals mainly with the professionalism, community participation, and to train students on decision making in nursing intervention based on scientifically recognized and published evidence of clinical.

Fourth Level - 8th semester consists of Psychiatric and Mental Health Nursing, Critical Care Nursing, psychiatric Medicine, Application of Information Technology in Health Care Field, and Elective course, which cover the assessment and the nursing and medical aspects of various critical and psychiatric conditions.

1.4..Labor market situation and career opportunities

1.4.1. Information on the intended and possible career fields as well as the career opportunities for the graduates of the study program (document experiences, if applicable)

Graduates of the Bachelor of nursing program are recruited in different Ministries such as MOH, MOHE, to the position of a third professional level nursing specialist and are expected to find employment in a range of health institutions affiliated to Mansoura university hospitals and governmental hospitals and centers affiliated to ministry of health and population. Furthermore, there are job opportunities for distinguished graduates as staff members in faculties of nursing.

1.4.2. Information on the current situation or situation to be expected on the labor market (with specification of sources)

Regarding to the current situation in Egypt, all graduates of Faculty of Nursing are employed in hospitals and health centers. Each year, we are sending to the dean of the Faculty of Medicine as he is the head of hospitals committee to ask about their needs for graduates, according to the hospital needs, we are sending for recruitments. Despite this, there is a shortage of nurses due to the inside and outside immigration to private hospitals and outside Egypt to Arab and Golf Countries and sometimes to Germany . (**annex 1.4.2)**

Table 1.4.2. Mansoura University hospitals needs of the graduates

Name of the Health Institution	The number of graduates needed by Mansoura University Institutions	
	2020/2021	2021/2022
Oncology center	150	200
Gastrointestinal center	145	60
Ophthalmology center	40	30
Emergency hospital	100	150
Children hospital	100	300
Urology and nephrology center	80	70
Specialized medical hospital	250	300
Mansoura university hospital	450	470
Total	**1315**	**1580**

1.5.Admission requirements and rules of recognition

1.5.1. Explanation of the admission requirements for the study program (including selection procedures and criteria, with specification of the regulations)

General requirements for admission: Mansoura University, Faculty of Nursing has central policies and procedures for Students admission and following up the progress of all students throughout the Study time . The following are admission requirements for new student:

1.To be Holder of the secondary education final certificate (scientific section) or the equivalent certificates

2. Graduates of Technical Institute of Health and Graduates of Technical Institute of Nursing, nursing branch are accepted to the second year of nursing program ,if they obtained a minimum grade of 75% or more . The University council will accept only 10% of the total of students enrolled in 2ed year.

3. All enrolled students should be full time students.

4. To have the English language as the first foreign language

5. To pass the abilities tests & Interview that is held by the faculty on the national Level .

6. To pass the medical checkup.

1.5.2. Explanation of the regulations on compensation measures for students with disabilities and chronic illnesses with regard to the admission requirements (with specification of the regulations)Output-oriented description of the departmental, methodical, learning and social skills/key skills as well as overarching skills (with specifications of the skill level, if applicable)

Students with disabilities and chronic illnesses are not enrolled to Nursing program as nursing profession assume complete physical health and wellness . The rules for admission to the faculty do not allow the entry of students with special needs due to the existing teaching loads and the practical training pattern of the faculty. during the abilities exams students with special needs are excluded during the standardized national interviews for admission that take place at the beginning of the academic year before joining the study.

1.5.3. Explanation of the rules about the recognition, conversion and assessment of credits/units acquired by students at other HEIs within and outside of the country

-Information on the regulations of the HEI regarding transfer of students from and to other HEIs within and outside of the country

Due to the admission of huge number of student who are enrolled yearly, the university council agreed to stop student transfer from other universities in Egypt. The faculty does not follow the transfer policies based on the faculty Council decision No. (154) on 25/7/2017 to stop students

transfer to the faculty. In the case of transferring student from our side to another faculty, it is done through the national electronic office or on paper format according to the rules regulating . if students wants to complete his / her studies outside Egypt whether they completed the bachelor program or not . The students will get a transcript with the studied courses and hours , and can also be given a copy of courses specification.

1.5.4. Explanation for the admission qualification in relation to the educational objective being pursued (especially for master's programs)

For the master's program enrolled students are accepted by each department depending on the achieved grade in the specialty

The following requirements for students enrollment and registration for the master's degree :

1- It is important that the students have a bachelor's Nursing degree with (C+) at least a general grade of good and in the specialized branch with a general grade of at least very good (B), or an equivalent grade from one of the universities recognized by the Supreme Council of Universities.

2- The Faculty Council is sending the student's requests to the relevant department council, who are having the decision for accepting students to register for master degree.

3- the research plan may be registered after successfully passing 24 credit hours or after success in the second specialized semester and after the approval of the department council, provided that it is approved by the Scientific Research Ethics Committee and a listening committee to discuss a seminar and is approved by the concerned department, then graduate studies and research and the College Council It presents its results in a letter submitted for discussion and arbitration, at least one year after registration

4- After the student succeeds in all academic courses with a cumulative average of CGPA of no less than C, the thesis validity report is presented to the department council.

5- A master's degree is awarded to students who pass the Exam & discussion of their thesis.

1.6.Quality assurance

1.6.1. Information on the quality assurance concept regarding teaching and research (attach overall concept, evaluation regulation, etc., if applicable); description of the organizational and decision-making structures with regard to quality assurance

Faculty of nursing has a strategy for three pillars , teaching strategies, research and community services .The quality assurance accreditation unit has an organizational structure approved by faculty Council No. (189) dated 12/2/2019 and was translated into English   language and approved by College Council No (248) on date12-10-2022, as it includes the executive team of the unit, coordinators of scientific departments, committee of questionnaires and data analysis, committees of the academic standards, It also has clear relations with the organizational structure of the college. The quality assurance unit has a guide approved by the faculty Council No. (193) on 5/15/2019. It is divided into two parts. The vision, mission and strategic objectives of the institution are based on the vision, mission and objectives of the unit, its organizational structure and its board of directors. The unit guide discusses the role and activities of the unit and the mechanism for following up these activities.

The Quality Assurance Unit (QAU) also has an annual plan of work approved by the faculty   Council No. (244 dated 9-18-2022. It contains the annual activities carried out by the Quality Assurance Unit during the academic year. The QAU is responsible for follow on achieving the yearly plan through the departmental coordinators and quality assurance committees who is monthly meeting to present a report for three areas . QAU also responsible for assessing the quality inside the faculty through the internal audit of scientific departments as well as units related to the educational process such as the library and laboratories. The Director of the Quality Assurance Unit also presents a report on the results of the internal audit, which is presented to the College Council, and thanks are given to the distinguished departments.

the academic leadership supports the management of quality systems in the faculty by inviting the manager of the Quality Assurance Unit to attend the faculty Council on an ongoing basis to present and discuss issues related to quality issues.

The Quality Assurance Unit seeks to ensure the quality of teaching through the application of the highest quality standards in teaching for students. In this regard the program was established according to National Authority for Quality Assurance and Accreditation of Education (NAQAA) and appropriate to the ILOs. It aims to graduate distinguished graduates in terms of knowledge, skills and professionalism in providing nursing care to meet the needs of labor market, Provide opportunities for continuous learning and keep abreast of all that is new. The teaching and learning strategy of the faculty of nursing stems from the teaching and learning strategy of the university (**annex 1.6.1.a)**, as it contains many different teaching strategies that are applied by the scientific departments of the faculty .The quality unit measures the effectiveness of the educational process and teaching through the various questionnaires that are presented to bachelor program students. These questionnaires include students' opinions regarding the course, lecturers, practical training, supporting facilities, academic guidance and students support **(annex 1.6.1.b)** the results of these data are analyzed and the report written by the Quality Assurance Unit. These reports should be approved by the faculty Council, and the Quality Assurance Unit sends the reports results to the scientific departments. The results of these questionnaires are used in preparing corrective actions and improvement plans in which weaknesses are improved and strengths strengthened.

The corrective actions and improvement plans are approved by the Quality Assurance Unit in the faculty council **(annex 1.6.1.c)**. The scientific departments are keen to review their courses' descriptions annually on a regular basis in order to prepare the necessary updates based on the reports of the courses, the opinions of students and the results of the examination paper analysis. Also, the Quality Assurance Unit, through the scientific departments, analyzes the exam paper for each course, where this analysis is used in preparing corrective actions and improvement plans .The

annual report of the program is also written by the program manager under the supervision of the Vice Dean for Education and Student Affairs, where students' success rates and graduation rates are tracked, improvement plans are developed, depend on the results of student evaluation, the opinions of the external evaluator, students and faculty members, and course reports, and then the results are presented to the faculty Council .Scientific research is one of the basic activities and main pillars of nursing program. Scientific research is based on a research plan prepared by the scientific departments, linked to the university's plan, reflecting national trends and community needs, and taking into account the specializations of the various departments of the faculty. The new research plan for the years 2019/2024 was presented, which was approved in the faculty Council No. 193 on 15/5/2019 (**annex 1.6.1. d**) which emerged from the vision and mission of Mansoura University for practical research, community needs and health problems found in specialized university hospitals and health centers. This research plan is linked to the research plans of the scientific departments. The faculty's research plan has been published on the website of the graduate studies sector on the faculty's website.

The program applies a mechanism to follow up on the commitment to the axes of the scientific research plan by following up on the scientific department of the faculty and the extent of their commitment to the axes of the scientific research plan, which is an annual report from the scientific department on the implementation of the research plan . The faculty acknowledge the importance of the ethics scientific research, as it was the first to establish a committee for the ethics of scientific research and it was approved on 3/2/2009 in the faculty council with an international number IORG0006127. formation of the Committee at the faculty level on 10/23/2017 with a mandate on 15/9/2018 . a new approval on 6/1/2019.

The organizational structure of the quality assurance unit

Unit manager

- Unit manager vice
- Executive team
- Executive committees
- Unit secretary

Quality assurance unit committees
- Strategic plan preparation committees
- Annual report and self- study preparation committees
- Scientific departments coordinators committees
- Internal audit Committees
- Questionnaire and data analysis committees
- Academic standards committees

Scientific Departments Committees
- Course file and educational effectiveness committee
- Exam paper assessment committee
- Postgraduate studies committee

Assistant Prof. / Nadia Mohamed Hassan
Nadia Mohamed Hassan
Director of Quality Assurance and Accreditation Unit

Faculty of Nursing Council
No. 248 Date: 12-10-2022

Figure 1.6.1 The Organizational Structure of the Quality Assurance Unit/ Faculty of Nursing / Mansoura University

1.6.2. Information on the quality assurance measures of the study program to be accredited; information on the extent to which the quality assurance measures of the study program to be accredited are integrated into the overarching quality assurance measures of the entire university

There is a strong supporting relationship between the University Quality Assurance Center and the Faculty Quality Assurance Unit., where the manager of the quality assurance is a member in the university quality assurance committee this is highlighting the close supporting bonds between the university and the faculty , and the manager of the quality assurance unit participate in the internal audit teams in the university faculties annually. The university quality assurance center

regularly monitors and evaluates the faculty quality assurance unit activities, and provides technical support to the faculty before the accreditation to identify strong and weak points. The faculty coordinates with the manager and deputy director of quality assurance unit for the development and evaluation of various quality measures for the bachelor nursing program, these measures are coherent with the university quality frame work. The overreaching concepts of quality assurance process of the bachelor nursing program are based on; profile of the student population; the student progression and success rates; students' satisfaction with their program; effectiveness of teachers and the availability of learning resources.

1.6.3. Information on measures for module evaluation; information on the implementation of the obtained evaluation results about the improvement of the study program concept; integration of students into the internal quality assurance within the study program

The focus of the university's education system is on the student. Therefore, , students are included in QA board and representing different educational levels. There are a quality system & procedures approved by the faculty council &based on the national requirements such as Program report, Course report , Departments reports, annual Faculty report which include the teaching and learning reports,   small Students achievements, research & post graduate reports & Community services report .

At the beginning of each semester, The scientific department is responsible for assigning a coordinator for each course who is responsible for the preparation of the course portfolio with QA. Then the Quality Assurance Unit adds the course coordinators as responsible for entering the course specification into the Al-Farabi system, which is one of the electronic systems for the quality of education at Mansoura University. The Quality Assurance Unit plays a very important role in evaluation , they use many tools to assess & evaluate the Quality in a periodic time according to the approved timetable for each procedure, they collect & analyze the students' feedback of the course that has been studied, as well as the evaluation of the faculty member who taught the course. The students' feedback is also taken on practical training, academic guidance, and supportive facilities .The Quality Assurance Unit conducts these questionnaires through Al-Farabi system. The

questionnaire is analyzed, and a report presented to faculty council for their approval , This is then sent to the scientific departments to take advantage of these reports and make a plan for improvement and corrective actions of the courses . in conclusion, the module evaluation occurs by course report . student exam result, student feedback followed by improvement and corrective actions of the courses.

1.6.4. Information on the evaluation of the practical relevance of the study program (e.g. through graduate surveys, follow-up studies)

To assess the suitability of the Bachelor of Nursing program, periodic observations are obtained from all concerned parties, where the feedback of leaders in various hospitals and medical centers affiliated with Mansoura University and the Ministry of Health is taken on the graduate level , using a questionnaire prepared by the Quality Assurance Unit, where their opinion is taken on a graduate , in terms of appearance and commitment to the time of attendance as well as their professional performance, the results of the questionnaire are analyzed and a report is prepared to be present & approve by the faculty Council and used to be in the improvement plan .

1.6.5. Information on the evaluation of the student workload and its feasibility (specification of the estimated student workload based on experience in the case of initial accreditation)

Obtaining a bachelor's degree requires that the student successfully pass (144) credit hours during the four academic years .The student's study load is determined at the beginning of each semester considering what the student has accomplished in the previous level. The study load per semester ranges between 12-18 credit hours ,Outstanding students with a cumulative GPA of 3 or more may registered for an additional course of elective courses with a maximum of more three hours. if the conditions of study schedules allow. This is done on the recommendation of the academic advisor .

The student chooses with the academic advisor 3 elective courses to study in any semester (from the first to the eighth) according to his desire, provided that it includes elective nursing courses, elective medical courses, supportive courses, and elective behavioral sciences with a maximum of 5 credit hours it is added to the cumulative average .A student with a cumulative

average of less than or equal to 2 is not allowed to register for more than 12 credit hours in the semester .

Student workload is determined course by course as is feasibility specified program and regulated by time , activities and degrees . it is called course activities, students either achieved it individually or in a group .

1.6.6. Statistics on enrolment applications, admission procedures, numbers of students and numbers of graduates regarding the study program to be accredited and, if applicable, also about the preceding model (respectively divided according to semester and gender) .

Table 1.6.6: Level/semester student's enrolment details and numbers of graduates for last three years

Students Registration Details of the Academic Year 2021-2022			
Level/ Semester	No. of students		Total
	Male	Female	
Level 1	530	459	989
Level 2	487	1140	1627
Level 3	263	263	526
Level 4	263	411	674
Total	1543	2273	3816
Graduated students 2021-2022	152	420	572
Students Registration Details of the Academic Year 2020-2021			
Level 1	695	1159	1854
Level 2	536	1128	1664
Level 3	282	812	1094
Level 4	274	735	1009
Total	1787	3834	5621

Graduated students 2020-2021	163	407	570
Students Registration Details of the Academic Year 2019-2020			
Level 1	274	429	703
Level 2	152	400	552
Level 3	138	374	512
Level 4	166	398	564
Total	730	1601	2331
Graduated students 2019-2020	155	398	553

1.6.7. Information on the documentation and transparent publication of information on the study program as well as on the exam requirements including regulations on compensation measures for students with disabilities

Information related to exam requirements is all fully described in course specification and student guide(**annex 1.6.7.a**). in general exam is governed by the University exam policy & regulation . The examination process through the Education and Student Affairs Committee follows transparent procedures starting from setting the schedule without any conflict between courses for students who have chosen subjects at different levels. The rules and regulations are announced to students and faculty members at an early date. In the event of any objection from the students to the exam schedule, the students submit a request to the faculty Vice Dean for Education and Students Affairs clarifying the required amendment. After that, the exam schedule is approved by the faculty council for accreditation. The various examination halls of the faculty are arranged to conduct the examination and teachers from various departments are authorized to perform probation duties.

1.6.8 The information on the support of the student, general academic counseling; department-specific academic counseling, office hours of the instructor; communication options between instructor and students; support of the student

The faculty is using the academic advising & counseling system which is starting with the Academic Advising Committee which is formed at the beginning of each academic year headed by the Vice Dean for Education and Student Affairs, who, with the General Coordinator of the Academic Advising, responsible for implementation and follow-up of academic advising programs, which are carried out according to a plan based on the scientific foundations .After the enrolment to the program all the students are assigned to academic advisor, from the faculty staff, who are assisting students in getting familiar with the available services, understanding the university and program policies, curriculum, and any issue affecting the teaching and learning experience. The academic advisor is also responsible for monitoring and guiding the student progress throughout the academic education.

The communication between the academic advisors and their students takes place through WhatsApp groups, e-mails, phone calls, or through the education and students affairs faculty's page .The Academic Advising System seeks to provide insight and helping students so that they can successfully complete their studies by achieving the following objectives:

- Academic follow-up, guidance and observation of students and submitting reports and recommendations to the general coordinator for academic advising.
- Provide students with suggestions and tips to improve their scientific endearment and helping them to overcome their academic and administrative problems.
- Paying attention to cases of academic delay, studying the causes of that delay, and providing a helping hand and suggesting appropriate solutions.
- Helping students to discover their abilities and tendencies, define their goals and develop their potentials, which will serve them the society.
- Encouraging students who are scientifically distinguished by increasing the number of hours of study for the levels and completing their studies in less time

- Taking care of outstanding students, guiding them and helping them to continue to excel.in addition to the office hours .that the academic staff announced and distributed to the student in case of any need for course advice or scientific enquires students, needs to take appointment during these hours.

1.6.9 Information on the concept for the promotion of gender equality as well as the promotion of equal opportunities for students in special living situations (e.g. parents, foreign exchange students, students with an immigrant background, people from educationally deprived backgrounds)

Gender equality is a general priority for the faculty of nursing and is closely linked to promoting the right to education and supporting the achievement of the Sustainable Development Goals (SDG). Through the Education 2030 framework, SDG aims to "ensure inclusive and equitable quality education and promote lifelong learning opportunities for all," and SDG sets out the need to "achieve gender equality and empower student girls." Faculty of nursing at the beginning of its inception in 1994-1995 was a faculty for female students only. But from 2007-2008, the faculty received the first batch of both gender (males and females students).Faculty of nursing, Mansoura University, guarantees all students the same right of education without any discrimination. In this respect, it is important to highlight that the educational system in the faculty is basically founded on the equality of male and female in all its aspects. It ensures equality for all students in admission mechanisms, curricula, tests, the variety of study facilities and equipment, and even the qualifications of lecturers and instructors. Also, the faculty encourages students of both gender to actively participate in student activities of all kinds, whether cultural, artistic, or sports.
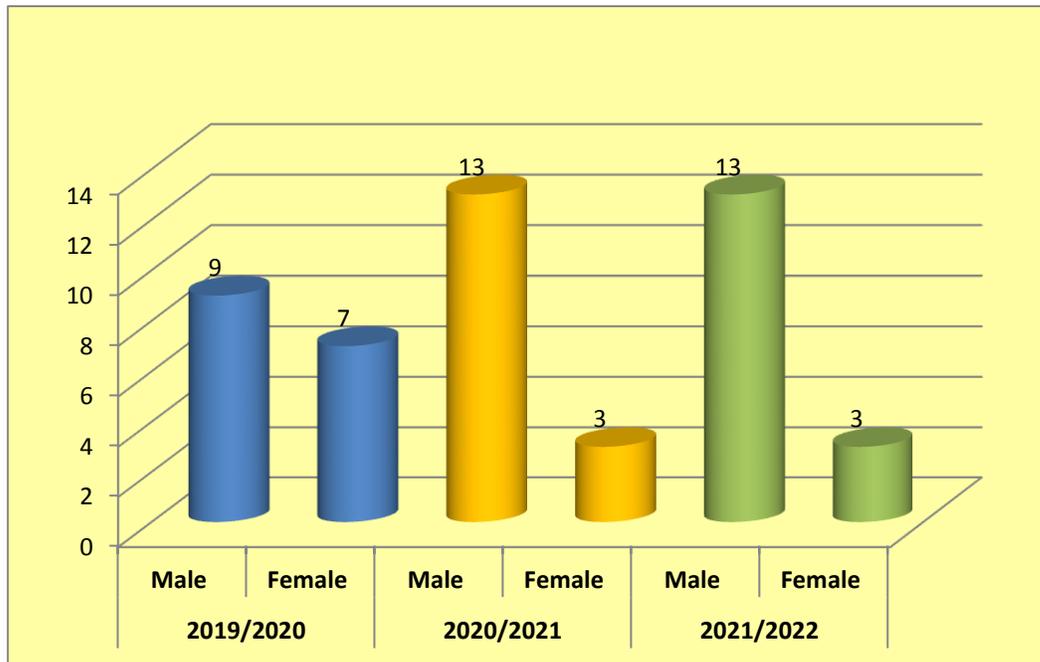
figure 1.6.9. Participation of students of both gender in student activities association

1.6.10 Information on the special support of students with disabilities and chronic illnesses as well as on the publication of the information.

The faculty rules for admission do not allow students with disabilities and chronic illnesses to enter due to the existing teaching burden and the practical pattern of the faculty **(annex 1.6.10)**

2. Human resources, equipment, and furnishings

2.1 Teaching staff

2.1.1 Specification of the number and composition of teaching staff in the study program

- Total staff demand required for the study program at full-time enrolment in week hours per semester,

The total number of teaching staff in the nursing program is 318 at 2021/2022, which comprises of 21 professors, 67 assistant professors, 91 lecturers. Besides, there are 62 assistant lecturers and 77 demonstrators. All of them are employed on the full-time basis .The following

mentioned number includes faculty members responsible for teaching the courses of the bachelor of nursing program at all levels from the first year to the final year and the internship.

Table 2.1.1.a Distribution of on-job faculty staff members according to the academic degree for three years

Academic year 2021/2022							
Teaching staff					**Teaching assistants**		
Degree	**Professor**	**Assistant professor**	**Lecturer**	**Total**	**Assistant lecturer**	**Demonstrator**	**Total**
No.	21	67	91	179	62	77	139
Percent %	11.73%	37.43%	50.84%	100%	44.61%	55.39%	100%
Academic year 2020/2021							
No.	16	38	82	136	51	74	125
Percent %	11.8%	27.9%	60.3%	100%	40.8%	59.2%	100%
Academic year 2019/2020							
No.	17	30	72	119	49	79	128
Percent %	14.3%	25.2%	60.5%	100%	38.3%	61.7%	100%

- Number of all full-time lecturers as well as the scope (in week hours per semester) of professorial teaching in the study program,

The faculty specifies the general workload for academic teaching staff members which differs according to their academic degrees, academic activities, teaching courses, and number of students at each course. The Ministry of higher education specifies the general workload by hour for lecturers (14), Assistant professor (12), and Professor (10) hours per week. In addition to the research ,administration and community service activities **(annex 2.1.1.b)**

Faculty/student ratio in the study program with full enrolment capacity utilization (ratio of the number of full-time teaching loads of the full-time instructors to the total number of all students in the study program)

For 2021/2022, the number of students enrolled in the program was 4003 students. Therefore, a teacher-student ratio is approximately 1:28 which means that there are 28 students per one teacher. In some courses, such as basic and behavioral sciences, the use of delegating academic staff members from outside the faculty to teach these courses in partnership with academic staff members from the faculty.

Table 2.1.1.c Staff member /students ratio in the study program for three years

Academic Year	2021/2022	2020/2021	2019/2020
No. of students	4003	3201	2331
No. of staff members	144	136	138
Staff member/student ratio	1:28	1:23	1:17

2.1.2 System and criteria for the selection of the teaching staff

Teaching staff are appointed according to a three-year plan prepared by the faculty administration in cooperation with the heads of the scientific departments to determine the number of new teaching staff required from 2021 until 2023. The University Council on date 28 of March 2022 approved the plan based on the following criteria; the total number of on-the-job faculty staff members and the assistant staff in each department, the number of teaching hours specified for each course, indicating the practical hours separately, the number of students proposed to be enrolled in each course (Egyptian and foreign students) for each scientific department in the faculty departments **(annex 2.1.2)** .

2.1.3 Specification of measures for human resources development and qualification, opportunities for university didactic continuing education for teaching staff.

The faculty identifies the training needs of the faculty staff members and the assistant staff based on the vision of the academic leadership and the future needs for development by the strategic plan and measuring the actual training needs of the staff members. The periodical surveys for the training needs of the faculty staff members and the assistant staff to determine the training needs, and questionnaires are analyzed and training needs are drawn for each category (**annex 2.1.3.a**). In light of this, training plans (**annex 2.1.3.b**) are developed and implemented annually to develop the leadership and professional capabilities of the faculty staff members and the assistant staff, and to raise the quality of the educational process and scientific research .The faculty follows clear procedures to implement the training programs, where the necessary approvals are obtained to hold the course or workshop. The appropriate time for training is determined in a way that does not conflict with the burdens of the educational process and the assistant staff is trained after the practical training times in the hospitals. Documenting the training and distributing certificates of attendance of the training course or workshop to the trainees. Drafting the report of the course, or workshop including the results of the statistical analysis of the questionnaire.

All the faculty member is entitled to attend national and international conferences, symposia and workshops. Faculty members are given financial support for transportation, conference/workshop registration fees and living allowance for the event duration. Moreover, there is a university body called (University Performance Development Center) is responsible for the in-service of continues education for upgrading and training the university staff. the faculty and Leadership Development Program (FLDP) that the center provides on a regular basis to offer training courses to develop the capabilities of faculty members and there is an electronic link for registration, each faculty member determines the courses he/she wants to attend, according to each academic degrees, and according to their categories all the training program are announced through their websites and the staff has to apply and come in their own time . its is obligatory for all staff to accomplish for their promotion to advanced level

Table 2.1.3.c : Number of faculty staff members attending national and international conferences

Staff members	2021/2022		2020/ 2021		2019/ 2020	
	International	National	International	National	International	National
Professor	13	6	13	9	1	2
Assistant professor	31	18	10	10	10	14
Lecturer	51	73	21	11	4	6
Assistant lecturer	19	7	8	4	1	2
Demonstrator	31	7	4	6	1	2
Total	145	111	56	40	17	26
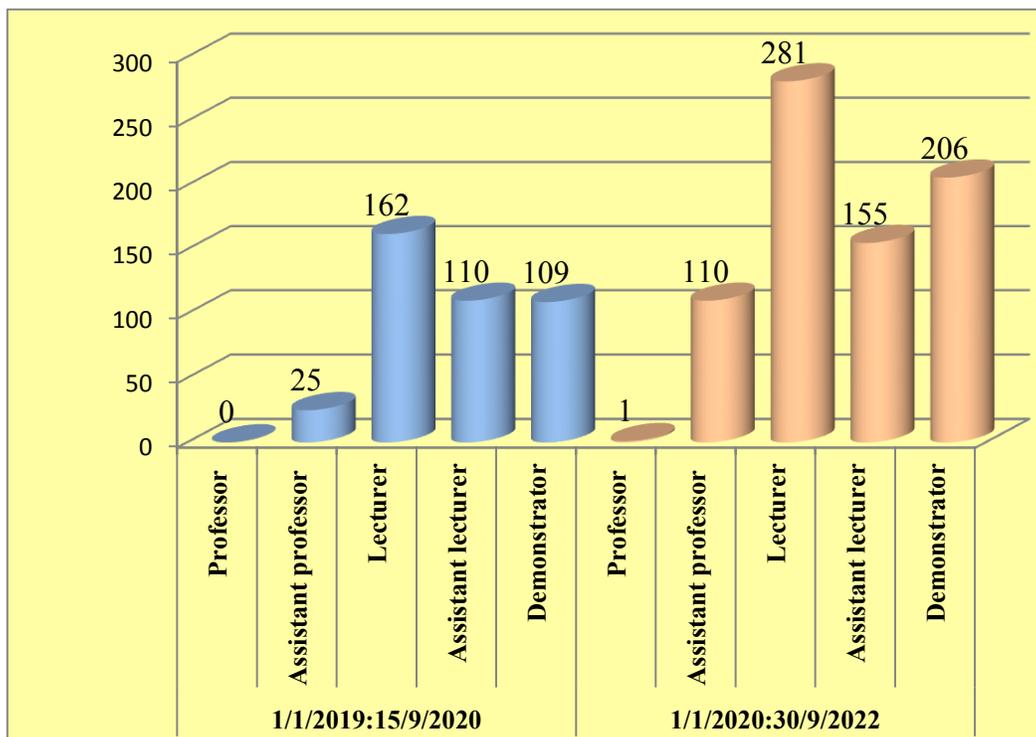
Figure 2.1.3.d Number of faculty staff members attending FLDP for three years

2.2 Further human resources

2.2.1 Further human resources in the study program: work placement coordination, study program coordination, etc.

The work placement and study program are coordinated through that theoretical and practical study schedules for program courses which are set by the faculty's schedules committee formed by the schedules coordinators in the scientific departments with the director of the bachelor's program and the faculty's vice dean for education and student affairs so that the date of theoretical and practical lectures is coordinated across the four levels of study.

A coordinator for the undergraduate level is also appointed for each scientific department to follow up the implementation of the teaching plans for the scientific department's courses with the course coordinators. Students are also informed of the course syllabus at the beginning of each semester. Further human resources in the study program available through faculty members from other colleges who appointed to teach non-nursing courses. *(Referral to table 1.1.2. Name of institutions that are involved in the study program).*The tasks of the education and student affairs department are a collective work system to serve the students of the faculty, through participation in the preparation of study schedules and work schedules in the auditoriums .Also, the administrative officials of the education and student affairs department also make lists of students who have been registered in each course and send study schedules and teaching nominations to faculty members inside and outside the faculty.

2.3 Facilities for instruction and research

2.3.1 Premises (lecture halls, seminar rooms, laboratories, student workstations etc.)

The faculty was built on an area of about 1400 m² in 4 floors with a total of 5600 m of buildings. The faculty buildings contain all the possibilities eligible for educational process, such as auditoriums, educational halls, library, digital library, Controls, and training laboratories equipped with the latest equipment needed for practicing nursing procedures inside the faculty. The faculty has four Educational halls are adequately equipped with educational electronic media and suitable seating. There are seven laboratories are well equipped for practical training of students according to

the course requirements. Certified technicians are available for laboratory management. All the laboratories follow faculty safety instructions that ensure the safety of students and equipment. two computer labs at the faculty is equipped with the latest personal computers connected to the internet, and is available to all students at the faculty. The students can access internet anywhere on campus.

Table 2.3.1.a The capacity of the faculty building and its associations , in terms of the number of class rooms and its capacities

Building	Classrooms	Space	Carrying capacity	Data show	Computers	Internet line
Ground floor	Class B	205.47	200 students	1	1	1
	Class C	166.47	200 students	1	1	1
First floor upstairs	Class A	416.97	400 students	2	1	1
	Convention Hall	100.62	80 students	TV screen 42 + interactive whiteboard	1	1
Fourth floor upstairs	Workshop hall	74	50 students	1 + video conference machine	1	1

Table 2.3.1.b The capacity of the faculty building and its associations, In relation to the number of laboratories and its capacities

| Building	Laboratories	Space	Carrying capacity	Data show	Computers
First floor	Computer Labs	244.95	60 students	2	60
Third floor upstairs	Gynecology lab	74.95	25 students	1	1
	Critical nursing lab	75.95	25 students	1	1
	Pediatric nursing lab	68.50	25 students	1	1
	Adult nursing lab	82.22	35 students	1	1
	Nursing basics lab	70.73	25 students	1	1
	OSCE lab	72.95	25 students	1	1
Fourth floor upstairs	Community nursing lab	68.56	25 students	1	1
	language lab	75.95	30 students	1	26
	Training hall	75.95	45 students	1	1

The faculty follows a plan to accommodate the capacity of the labs with the number of students according to the study plan through facilities in the study schedules. The time has been expanded by introducing the open lab system to allow students to practice lab skills and answering their questions by faculty staff members. Two days per week have been allocated to each scientific department for a period of 4 hours per day at the end of the faculty day so as not to affect the educational process .

The faculty determines the extent to which this fits with the number of students in terms of design, space and equipment in accordance with the standard specifications of the authority, with the presence of facilities supporting the educational program, such as training facilities, educational hospitals, and others, in proportion to the educational process .A plot of land area of 750 m² was allocated for the establishment of an educational building attached to the main faculty building for the purpose of expanding the auditoriums and offices for the scientific departments and faculty members in the faculty and to accommodate the increasing number of students annually.

2.3.2 Library/libraries

The faculty has a scientific library on the second floor that is sufficient to serve students, faculty members and their assistants, it is equipped to serve the educational process. The library contains scientific books distributed and divided according to each scientific department, where there are 3330 nursing books, in addition to275 cultural books, 90 doctoral theses, 148 master theses, and 47 other scientific books .The library has many services such as borrowing, photocopying, internet and others. The library receives its beneficiaries daily from eight thirty in the morning until four o'clock in the afternoon, and the library is periodically supported with modern books.

Total , program related inventory of books and theses

Legend:
- Nursing Books
- Cultural books
- DoctoralTheses
- Master theses
- Other scientific books

Values shown: 275, 90, 148, 47, 3330
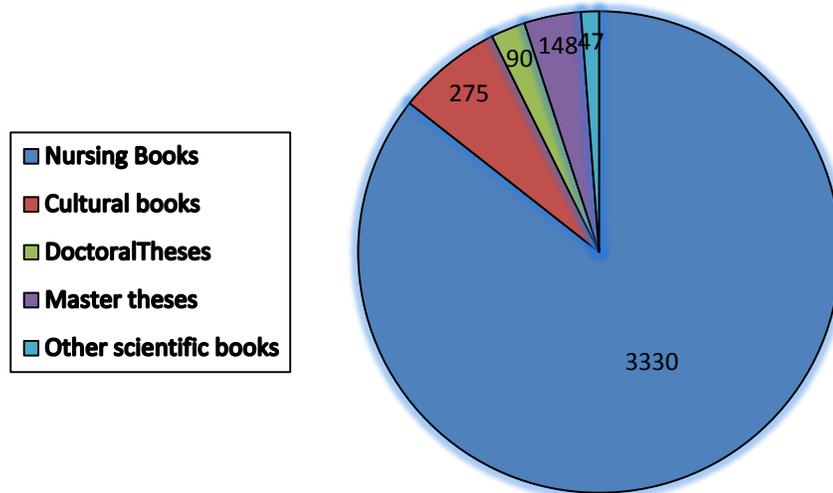
Figure 2.3.2.a Total, program-related inventory of books and theses

Table 2.3.2.b Number of beneficiaries of the scientific library for three years

Academic year	Number of undergraduate Students	Number of post graduate Students	Number of faculty staff members and their assistants	Total
2021/2022	492	616	637	1745
2020/2021	651	303	497	1451
2019/2020	2468	3122	1942	7532

The digital library service is available, as it provides a set of databases covering all scientific branches and makes scientific periodicals and various documents available electronically to faculty members, scholars and researchers. It is equipped with 9 computers connected to the Internet and 2 electronic devices through which advertisements are published for students to facilitate the learning process . It also helps in scientific research. The faculty shares with the university's central library, which facilitates the availability of new systems for electronic service, such as the Egyptian Knowledge Bank (EKB), which provides the best information services for researchers in various fields, and Google Scholar, which is an abundant material of approved research and scientific theses,

refereed scientific journals, books, summaries and articles issued by publishers, Academics, international universities, associations, specialized bodies and other scientific research institutions https://clibrary.mans.edu.eg/index.php/2021-01-03-11-34-33.

2.3.3 Computer equipment, media equipment etc.

The faculty contains 2 computer labs, each lab contains 30 computers, in addition to the language lab contains 26 computers, all labs are used by undergraduate students. The students of bachelor nursing program not only enjoy the use of its own computing resources, but also benefit from facilities provided by the faculty , and the digital library . Wireless internet access is installed at the faculty reaching all points of the faculty including staff and faculty offices and classrooms. All the students can access the wireless network using their ID number and their own password. There are 12 different systems connected to the database for using by the faculty, including; Ibn Al-Haytham system for managing students and graduate students - Al-Farabi system for quality management and accreditation - Al-Farouq system and other electronic management systems.

As for the technological systems of the educational process, the Faculty of Nursing is characterized by activating mixed teaching methods through the university educational platform MOODEL system in all nursing courses, through which allow the student to can follow up the educational process and train on some of the content of the courses, make the semester and final exams for the courses, and communicate directly with the course officials from the faculty members and colleagues in the same course .The electronic examination system has been activated for some courses at the undergraduate level, in implementation of the university's plan for digital transformation . An electronic document archiving system has been applied and it has been implemented in the Dean's office https://citc.mans.edu.eg/esystems/process-systems/archive. This system aims to prepare an electronic document system through which the required documents can be retrieved at any time and the workflow can be monitored easily and conveniently.

2.3.4 Funds for supporting staff, equipment and investment funds, extra funding

The Faculty has an annual budget for scientific research that is funded by the university's research fund, which is used to support graduate studies and researches for faculty members and motivate their assistants. This is evident from the increase in item 9/1 research. The financial resources of the faculty are sufficient for the nature of its activities and are distributed among the

69

various exchange sections and according to the actual needs, where there is an annual budget for the faculty that contains the financial resources and the plan to cover the various activities of the faculty. Its mission, strategic objectives and all its various activities such as the educational process, scientific research, and community service, Which shows the adequacy of resources and the faculty's ability to manage its own resources .

The faculty's funding sources are varied, as the faculty depends for its resources on the state budget, tuition fees for Egyptian and international students, graduate students, the revenues of the Public Service Center, which is a unit of a special nature, and distinctive programs such as infection control& evidence-based practices. Moreover, donations of faculty staff members; donations are made to the faculty-by-faculty members and civil society, and the faculty council approves these donations individually, which are used to serve the educational process.

Financial support of research

2021/2022
2020/2021
2019/2020

34000 LE
39308 LE
35728 LE
0
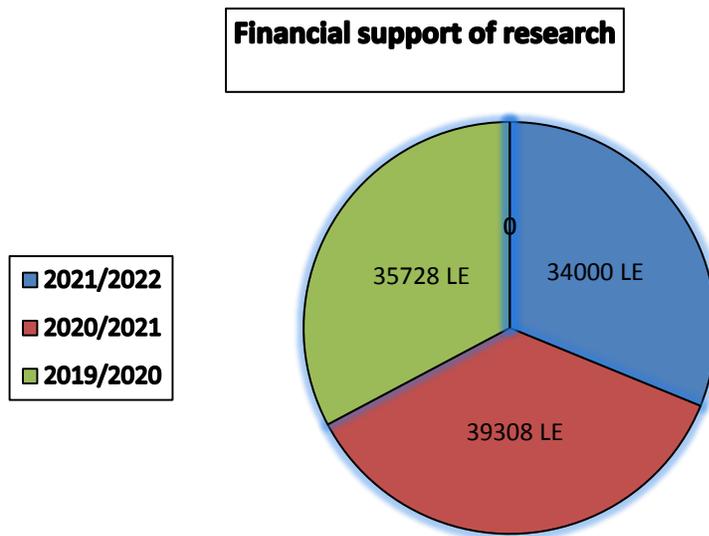
Figure 2.3.4 Financial support of research

3.Institutional environment and structural conditions

3.1 Description of the university

3.1.1 Basic data of the university

- Founding year with brief information about the development of the university,

Mansoura University was founded in 1972 in Mansoura city, Egypt. It is in the middle of the Nile Delta. It is one of the biggest Egyptian universities and has contributed much to the cultural and scientific life in Mansoura city and Egypt, .It is considered the sixth university in terms of origin among the universities of, the Republic . Mansoura University is one of the top public universities in Egypt It is ranked #1201-1400 in QS World University Rankings 2023 (https://www.topuniversities.com/universities/mansoura-university) .also ranked 11 in Africa and 933 in world rank (https://www.webometrics.info/en/Ranking_africa) . Mansoura University has a vision and a mission approved by the University Council No. 535 dated 25/12/2017.The university vision is to achieve excellence and leadership locally and internationally for producing knowledgeable society through sustainable development, effective community partnerships and internationalization. The university mission is to provide distinguished educational and research programs that serve the community by providing a technological environment supportive to lifelong learning, scientific research and innovation, and building effective partnerships locally and internationally according to international standards.The university has strategic objectives including :

1- Strengthening the university's capability in order to develop institutional performance and achieve excellence in all fields.

2- Supporting the system of quality assurance and sustainable enhancing in terms of international quality criteria.

3- Supporting the administrative system and developing its individuals' skills.

4- Developing financial and material resources, infrastructure and technology.

5- Supporting and developing skills of junior and faculty members.

6- Supporting students and graduates, and developing their skills

7- Supporting and developing the education-and-learning system

8- Developing scientific research and scientific activities' system.

9- Achieving social engagement and sustainable development.

10- The internationalization of the university in accordance with enhancing its competitive ability. (**annex 3.1.1**)

- Total number of students at the department/faculty (current status),

- The total number of Mansoura University students is 193542 students in 2020/2021.

- The total number of nursing students enrolled in the bachelor nursing program is 3816. For details, *refer table 1.1.10.(Level / Semester Student's Enrolment Details for Three Academic Years).*

Table 3.1.1.a : Numbers of students at Mansoura University

Students	Academic Year		
	2018/2019	2019/2020	2020/2021
Bachelor students	150808	156938	164815
Postgraduate students	10594	11967	22167
International bachelor students	2802	3380	4582
International students for graduate studies	2500	1896	1960
Total number of university students	166704	174181	193542

- Information on institutes and research facilities of the university,

Mansoura University has a clear policy to support scientific research and motivate researchers through the establishment of some research units and laboratories of a special nature, support spending on scientific research, and the announcement of competitive research projects supported by the University's Research Unit Fund with a total budget and amount 4495000 for the year 2020-2021. The university also has a special regulation Awards and incentives for scientific publication are announced annually to encourage and support university researchers. Mansoura University includes a number of distinguished research centers as Stem Cell Center, Electron Microscope Unit (https://emunit.netlify.app), Nanotechnology Center(http://www1.mans.edu.eg/centers/munano/default.htm),Nuclear Magnetic Resonance Unit (http://pharfac.mans.edu.eg/), Faculty of Science, NMR, MRI College of Pharmacy, Experimental

Medical Research Center (MERC) (http://www1.mans.edu.eg/FacMed/centers/merc/), Genomics and Cancer Research Center (https://www.facebook.com/CEGCR/), Biotechnology and Genetic Engineering Unit, Vertebral Fossil Center (http://muvp.mans.edu.eg), Laboratories and Scientific Equipment Unit (www.nrl.eg).

Table 3.1.1.b Research centers of Mansoura University

Research Centers	Website
1. Stem Cell Research Center	-
2. Electron Microscope Unit	https://emunit.netlify.app
3. Nanotechnology Center	http://www1.mans.edu.eg/centers/munano/default.htm
4. Nuclear Magnetic Resonance Unit	http://pharfac.mans.edu.eg/
5. Experimental Medical Research Center (MERC)	http://www1.mans.edu.eg/FacMed/centers/merc/
6. Genomics and Cancer Research Center	https://www.facebook.com/CEGCR/
7. Biotechnology and Genetic Engineering Unit	-
8. Vertebrate Paleontology Center	http://muvp.mans.edu.eg
9. Laboratories and Scientific Equipment Unit	www.nrl.eg
10. Seed and Tissue Diseases Laboratory	-
11. Genetic Engineering Unit	-

.- Current developments or special features of the university.

Mansoura University is the first public university in the Arab Republic of Egypt that was accredited in the year 2022 by the National Authority for Quality Assurance and Accreditation in Egypt. Mansoura University is an internationally ranked university and is also a top 30 university in the QS Arab Region University Rankings 2019. It is comprising over 7,000 faculty members who teach over 193542 students, including 164815 undergraduate students, 4582 international bachelor students, 22167 postgraduate students, and 1960 international students for graduate studies for academic year 2020/2021 across a wide range of degree programs, including engineering, science, agriculture, veterinary medicine, medicine, nursing and dentistry. Most degrees at Mansoura University are fully taught in English. However, there are some Arab-taught degree programs as well. Mansoura University contains 18 faculties, 10 of whom have obtained local accreditation, and some of them have also been renewed. The rest of the university's faculties are preparing to obtain programmatic or institutional accreditation from the National Authority for Quality Assurance and Accreditation of Education in Egypt. Mansoura University has a distinguished reputation for its medical facilities, including six major hospitals and nine medical centers.

Table 3.1.1.c. Hospitals and medical centers affiliated to Mansoura University

Hospitals and Medical Centers	Website
Mansoura University Hospital	muh@mans.edu.eg
Emergency Hospital	emhospital.mans.edu.eg
Specialized Medical Hospital	musmh@mans.edu.eg
Children's Hospital	https://much.mans.edu.eg/
Students' Hospital	https://yellowpages.com.eg/en/profile/mansoura-university-students-hospital/161260
Convalescent Hospital	muh@mans.edu.eg
Nephrology and Urology Center	http://www.unc.edu.eg
Ophthalmology Center	ophthalmology.mans.edu.eg
Gastrointestinal Surgery Center	www.gec.edu.eg
Oncology Center	ocmu.mans.edu.eg

Burns & Plastic Surgery Center	plasticsurgerymansoura@gmail.com
Cardio Thoracic and Vascular Surgery Center	https://medfac.mans.edu.eg/index.php/en/scientific-departments/clinical-departments/cardiothoracic-surgery
Orthopedic Center	oahop2@mans.edu.eg
Obstetrics and Gynecology Center	medobsdept@mans.edu.eg
Neurology Center	md-medical@mans.edu.eg neurologymansoura@gmail.com

3.2 Description of the department/faculty

3.2.1 Basic data of the department/faculty

- <u>Founding year:</u>

The faculty of nursing, Mansoura University, was established in 1994 by Republican Decree No. 287 of 1994 and aims to graduate qualified nursing specialists for the labor market in various health institutions. The faculty received the first batch of 27 students in the academic year 1994/1995, and the study began on November 5, 1994

The first batch of students graduated in the academic year 1997/1998, numbering 21 students. The faculty graduated (24) batches from 1997/1998 to 2021/2022.The Faculty of Nursing, Mansoura University has an updated and approved vision and mission in the faculty Council No. (175) on 9/1/2018. The vision and mission were announced through various means inside and outside the faculty, and by hanging them inside the scientific and administrative departments and in different places in the faculty, as well as it was announced on the faculty's website. (http://nurfac.mans.edu.eg/), and also through various publications, including posters and brochure , in addition to adding them to the student handbook and alumni directory .The faculty vision states that ,the faculty of nursing - Mansoura University seeks to be one of the best nursing colleges locally, regionally and internationally, and to contribute effectively to the advancement of the health system in Egypt .The faculty mission states that ,the faculty of nursing - Mansoura University is a governmental educational and research institution that provides educational programs in nursing sciences to provide a qualified graduate scientifically and practically, produce scientific research and support the health needs of the community .The faculty has clear and declared strategic goals that include the following:

1. Expansion of the infrastructure and equipment necessary to achieve excellence in all fields.
2. Develop and support the skills of leaders, faculty members, their assistants, and the administrative staff.
3. Developing the college's own resources.
4. Updating the self-evaluation mechanisms with the aim of excellence and renewal of accreditation.
5. Supporting the educational process to graduate distinguished cadres.
6. Development of postgraduate programs and the quality of scientific research.
7. Maximizing the role of the college in the field of community service and environmental development college message.

The faculty also has eight scientific departments, all of which teach the Bachelor of nursing program and the rest of the other programs offered by the faculty.

Table 3.2.1.a. The scientific departments of faculty of nursing- Mansoura University

No.	Scientific departments	No of staff Lecturer -assistant professor – professor)	No of Assistant staff (Demonstrator- assistant lecturer)	The courses being taught (names of courses per level)
1	Medical surgical nursing	29	31	- Fundamental of nursing (1) (first level) - Medical surgical nursing (1) (second level) - Medical surgical nursing (2) (second level) - Applied nutrition (second level) - General medical diseases (second level) - Anatomy (first level) - Fundamental of nursing (2) (first

				level)
				• Physiology(first level)
				• General surgery (second level)
				• Advanced nursing in one of the specialties of surgery and operations (second level)
2	Critical care and emergency nursing	11	24	• Critical Care Nursing (Fourth Level) • Emergency Nursing (Second Level) • First Aid and Accident (First Level) • Health Assessment in Nursing (First Level) • Nursing Ethics (First Level)
3	Women's health and midwifery nursing	17	16	• Maternal and Gynecology of Nursing (3rd level) • Professional Midwifery (3rd level) • Alternative Medicine in Nursing Practice (Fourth level). • Strategy of Nursing Education and Health Education (Second level)
4	Pediatric nursing	24	11	• Pediatric nursing (3rd level) • Pediatric Medicine(3rd level) • Pediatric Surgery (3rd level) • Culture Competency (2nd level) • Advanced pediatric nursing (2nd level)
5	Psychiatric and mental health nursing			• Psychiatric And Mental Health Nursing (4th level) • Psychiatric medicine (4th level) • Developmental psychology (3rd level).

		8	15	- Communication skills and human relationships(2nd level) - Fundamentals of human behavior in wellness and illness (2nd level) - Biochemistry (1st level)
6	Community health nursing	20	16	- Community Health Nursing (Fourth Level) - Evidence Based Practice (Fourth Level) - Epidemiology (Fourth Level) - Biostatistics (Fourth Level) - Family Health Nursing (Third level) - Fundamental Community and Environmental Health (First Level) - Microbiology (First Level)
7	Gerontological nursing	12	11	- Gerontological Nursing (Fourth Level) - Advanced Gerontological Nursing (Second Level) - Geriatric Medicine (Fourth Level)
8	Nursing administration	14	10	- Nursing administration 1 level 3 - Nursing administration 2 level 3 - Elective course leadership level 3 - Application of information technology in health care field level 4

-Number of study programs in the department/faculty,

The faculty of nursing offers a number of distinguished programs, including bachelor program in nursing, which is the basic program .It was created with the credit hour system, which was approved by Ministerial Resolution No. (3269) on 16 /08/2012 and within this regulation there

is a group of compulsory and elective courses where the student chooses among courses. The bachelor's program in nursing is offered as a full-time on-campus day-time program, requiring for graduation the successful completion of 144 credit hours, which are delivered in the form of lectures, tutorials, and laboratories, and ending with a non-credit but mandatory one-year internship in various hospitals and medical health centers affiliated to Mansoura University.

The faculty also offers several other programs, including the condensed program in nursing, it is a program that allows holders of a bachelor's degree from other educational systems other than nursing to enroll in it. This program is designed to cover many courses in a short period of time. The duration of study in the program is 24 months (6 semesters without breaks) equivalent to 110 credit hours, in addition to the introductory semester hours (17) credit hours. Graduation is followed by compulsory training (Internship). The specialized bachelor's program in nursing is a program for expenses in the credit-hour system and includes five specialties as emergency and critical care nursing, critically ill neonatal nursing, midwifery nursing, oncology nursing and gerontological nursing. The study in the program will start from the current academic year 2022/2023.

Also, The faculty offers (18) postgraduate programs with credit hours, including (8) master's programs, (8) doctoral programs in various disciplines ,these programs were created by Ministerial Resolution No. (1833) on 30/5/2019, and the faculty council approved the implementation of the regulation from the year 2018, and (2) distinguished master's programs such as a master's degree in infection prevention and control on 24/2/2014, and a master's degree in evidence-based health care practices with a credit-hour system on 30/12/2013, , it is the only program at the level of the Arab Republic of Egypt and at the regional level.

Table 3.2.1.b. Study programs offered by the faculty of nursing/ Mansoura University

The study program	The start year of the program
1. Bachelor nursing program	2013/2014
2. Condensed nursing program	2018/2019
3. The specialized bachelor's program in nursing	2022/2023
4. Postgraduate programs:	2018/2019
a. Master's programs: • Adult Nursing • Critical care and emergency nursing • Obstetrics and gynecology nursing • Pediatric nursing • Psychiatric nursing and mental health • Community health nursing • Gerontological nursing • Nursing administration • Infection control • Evidence-based healthcare practices	2018/2019 2016/2017 2017/2018
b. Doctoral programs: • Adult nursing • Critical care and emergency nursing • Obstetrics and gynecology nursing • Pediatric nursing • Psychiatric nursing and mental health • Community health nursing • Gerontological nursing • Nursing administration	2018/2019

- Current developments and special features in the department/faculty.

The faculty of Nursing was accredited by the National Authority for Quality Assurance and Accreditation in August 2014 and renewed its accreditation in October 2020. The faculty completed 25 years of its inception (silver jubilee) in 2018/2019.It received students of both gender (males and females) in 2008/2009, and the first batch of both gender graduated in 2012/2013.Registration for postgraduate studies for master's and doctoral degrees was opened in 2009 in most of the scientific departments of the faculty. The faculty is seeking to obtain international accreditation for the bachelor's program. The Research Ethics Committee was established with the code number: IORG number: IORG006127 in 2012 to publish for awareness and activation of the ethics of scientific research and review of scientific research in accordance with the principles of research ethics .The faculty has been publishing a periodical (Mansoura Nursing Journal) since 2014. The Faculty building` consists of 4 floors that include offices of academic leaders, scientific and administrative departments, teaching halls and laboratories. Due to the increase in the number of students. The faculty has acquired a floor in the printing press building and the faculty is preparing to build a new building opposite the faculty in order to accommodate the expected increase in the number of students

The faculty of nursing – Mansoura university has many competitive features, the following are the most important ones:

- The faculty serve the Dakahlia region and the neighboring governorates, where the population density is high, which amounts to 7 million people. There is a separate College of Nursing in Dakahlia Governorate, and this is one of the competitive features of the faculty.

- The faculty is considered the fourth among the nursing faculties in the Arab Republic of Egypt.

- The faculty is surrounded by many hospitals and medical centers, which provide opportunities for practical training and gaining experience for students and increasing employment opportunities for graduates.

- It is the largest faculty that receives new students annually among the Egyptian faculties.

- Increasing the turnout of private hospitals to internship students, such as Hospital 75375 - Shifa Al-Orman - MagdiYacoub for Heart Diseases - Italian Hospital - Saudi German - Dar Al Fouad and others.

- Existence of distinct postgraduate programs unique to the faculty, such as the Master's Program in Prevention and Infection Control. - Master's in Evidence-Based Health Care, which is unique to the faculty of nursing, Mansoura University, at the local and regional levels.

- The faculty has electronic systems and communication technology at the highest level that are unique to the faculty and university, such as Ibn Al-Haytham system for managing student affairs, Al-Farabi system for managing the quality of teaching and learning, the electronic system for exams, Al-Ameen system for managing warehouses and trust, Al-Farouq system for files and enquiries, management system and document preservation and others.

- The faculty has existence of distinguished research schools in most research fields in different disciplines and an increase in international publication rates.

- Faculty members provide international consultations and reviewers in international publishing magazines and the Ministry of Health - Higher Education.

- Applying electronic correction to most courses in an innovative way only at Mansoura University.

- The faculty obtained the highest marks in the standardized test at the level of the Republic among the nursing colleges. The faculty students were invited by the President of the Republic, and they were honored.

- The faculty won first place at the level of Mansoura University in the question bank competition.

- The faculty obtained the only Arab Board certificate at the level of Egyptian universities (Certificate from the Arab Council for Health Specializations in the field of emergency and disaster nursing).

List of self- study annex

Annex No.	Title
1.a	National Academic Reference standard (NARS 2009)
1.b	National Academic Reference standard (NARS 2017)
1.1.2	Hospital agreements for internship students training
1.2.1	Total number of courses in the study program **(referred to Annex 1.3.3)**
1.2.4	The updated teaching and learning strategy for the Faculty of Nursing - Mansoura University
1.2.6.a	Internship program specification and its rules
1.2.6.b	Supervision of the internship by faculty staff members
1.2.6.c	Practical nursing courses specification **(referred to Annex 1.3.3)**
1.2.6.d	Internship instructor meetings
1.2.6.e	Internship Logbook
1.2.6.f	Evaluation of graduates' performance by Employer
1.2.7	Courses specification for enhancing the scientific research process **(referred to Annex 1.3.3)**
1.3.3	Program specification according to NARS 2009
1..4.2	Needs of Mansoura University Hospitals from Faculty Students
1.6.1.a	Matching the university's strategy with the college's strategy
1.6.1. b	Students' questionnaire
1.6.1.c	Bachelor courses' Improvement plan
1.6.1.d	Faculty research plan
1.6.7.a	Student guide
1.6.10	Students' admission rules
2.1.1.b	Workload of academic staff members
2.1.2	Demonstrator Appointment plan
2.1.3.a	Staff members training needs questionnaire
2.1.3.b	Staff members training plan
3.1.1	University mission ,vision and strategic subjective