Nutrition in Health Care Diploma
(By Credit Hours System)

Program Mission and Goals

The "Nutrition in Health Care Diploma" aims at providing graduates with essential scientific capabilities in the field of clinical nutrition, in coordination with the applied therapeutics, to achieve the best treatment service for the patients. The graduates are also capable of proposing the nutritional regimens suitable for sports` individuals, children and elderly persons, and critical cases to allow them healthy lifestyle.

Article 1: The Certificate

The University of Tanta grants the certificate of "Nutrition in Health Care Diploma", by credit hours system, upon the request of the Faculty of Pharmacy Council.

Article 2: The Study Duration and System

The duration of the study is one year. It consists of two semesters (autumn and spring). Each semester consists of 16 weeks including the examinations, with 17 credit hours per week per semester. Some courses may be offered in an eight-week summer semester of intensive study including the examinations.

Study at the program proceeds according to credit hours system. A credit hour is equivalent to one–hour theoretical lecture per week, or two-hour practical/applied exercises per week throughout the whole semester.

Article 3: The Study Language

The study language in the program is English Language.

Article 4: Admission Time

Admission to the program is allowed in August every year until mid-September. The first semester begins in October and the second semester begins in February.

Article 5: Admission and Enrollment Criteria

To enroll in the " Nutrition in Health Care Diploma", a student must have the Bachelor Degree of Medicine and Surgery or the Bachelor Degree of Pharmacy/Pharmaceutical Sciences or Bachelor Degree of Pharmacy (PharmD).

Applicants should fulfill and provide the following general requirements: Certificate of academic qualification - Certificate of the courses studied by the student and his assessment in the bachelor degree - Certificate of birth or an official extract thereof - The consent of the employer on the student's study and exploitation for at least two days if he/she is an employee - Copy of the national number - Payment of study fees and fees in exchange for research hours.

Article 6: Requirements for Obtaining the Certificate

To achieve the scientific certificate the student should succeed in 34 credit hours and gain cumulative grade point average not less than 2 (D).

Article 7: Study Commitment Rules

The student must commit to attend theoretical lectures and practical sessions. The Higher Committee has the authority, upon the recommendation of the Executive Committee, to deprive the student of applying for the final written exam if his/her absence exceeds 25% of the total hours of the course. In the latter case, the student is considered Failing and is given grade F.

Article 8: Registration of Courses

Registration is allowed for two weeks at the beginning of each semester. Each student must register for the courses he wishes with the help of his academic advisor. The student is not allowed to register late except after getting the consent of the Executive Committee within one week after the end of the registration period.

Article 9: Addition, Dropping and Withdrawal

The student may add or drop one or more courses to his/her credit hours, after approval of the academic advisor, within the first four weeks of the beginning of the main semester (or within the first two weeks of the beginning of the summer semester), with regard to the academic load (Article 10). The student may also, after approval of the academic advisor, withdraw from one or more courses in any semester without being considered failing in this course if he/she submits a request to withdraw during the first eight weeks of the beginning of

the main semester (or within the first four weeks of the beginning of the summer semester).

Article 10: Academic Load

The minimum academic load in the main semester is 10 credit hours and the maximum is 17 credit hours, whereas the maximum academic load in the summer semester is 9 credit hours.

Article 11: Academic Advisor

An Academic Advisor, one of the Faculty Members, is assigned by the Executive Committee for each group of students and his tasks are as follows:

- Assisting the student in selecting and registering courses
- Following up the student on an ongoing basis and treat the obstacles that appear during the study
- Preparing a complete file for each student including all the data for the student he/she guides
- Suggesting the courses to be studied in the summer semester according to students' needs
- Instructing the students in case of registration, addition, dropping, withdrawal, or absence, and assigning the student registration form

Article 12: Dropping Out of Study

The student is considered dropped out if he/she does not register in a semester either with or without an excuse. A student may drop out for a maximum of two consecutive or non-consecutive semesters provided that the Higher Committee approves it. The student will be dismissed from the program if his/her suspension is for a longer period without an excuse accepted by the Higher Committee.

Article 13: Evaluation of Students

Students are assessed through the semester activity and the written, practical and oral examinations as well as an assessment of the skills acquired from the research project. The evaluation form of the research project should be approved by the Executive Committee and the Higher Committee of the program. Calculation of course grade is shown in the following table:

Calculating Grades of Courses			
Points	Percentage	Symbol	Grade
5	Greater than or equal to 90%	A+	Excellent
4.5 to less than 5	85 to less than 90%	A	
4 to less than 4.5	80 to less than 85%	B+	Very Good
3.5 to less than 4	75 to less than 80%	B	
3 to less than 3.5	70 to less than 75%	C+	Good
2.5 to less than 3	65 to less than 70%	C	
2 to less than 2.5	60 to less than 65%	D	Pass
Zero	Less than 60%	F	Failing

Article 14: Failing in Courses

To succeed in the course, the student should get at least 60% of the total marks of the course, otherwise he/she will be considered failing. The Failing student is allowed two other chances to re-register, attend, and apply for the exam in the same course.

Article 15: Calculation of GPA

The semester Grade Point Average (GPA) represents the courses studied in a semester and is computed as follows: Sum of multiplying the number of grade points obtained by the student in each course by the number of credit hours of that course, for all courses accomplished by the student, divided by the total number of hours in the semester - to the nearest two decimal numbers.

$$GPA = \frac{\text{Sum of Grade Points of all courses completed by the student in the semester}}{\text{Sum of credits hours of all courses completed by the student in the semester}}$$

The Cumulative GPA (CGPA) is the average of all final grades obtained by the student within the program to the nearest two decimal numbers. It is calculated as follows:

$$CGPA = \frac{\text{Sum of Grade Points of all courses completed by the student in the program}}{\text{Sum of credits hours of all courses of the program}}$$

The relation between the General Grade and CGPA			
Grade	Symbol	CGPA**	Percentage of Cumulative Points
Excellent	A+	5	Greater than or equal to 90%
	A	4.5-<5	85 to less than90%
Very Good	B+	4- <4.5	80 to less than 85%
	B	3.5- <4	75 to less than 80%
Good	C+	3-<3.5	70 to less than 75%
	C	2.5-<3	65 to less than 70%
Pass	D	2-<2.5	60 to less than 65%

**If the student has CGPA score of less than 2, he/she is allowed to re-register in some courses to improve the GPA, in which case the higher grade is calculated.

Article 16: Cancelling Enrollment

The Higher Committee will cancel the student's enrollment upon the request of the Executive Committee in the following cases:

1. If he/she does not pay the study fees or the fees in exchange for research hours.
2. If the student submits a request to cancel his enrollment
3. If the student drops out without an acceptable excuse for two consecutive or non-consecutive semesters
4. If the student does not fulfill or accomplish the study requirements within a maximum of three years, taking into consideration the cases of accepted holding
5. If the student failed in a course three times
6. Disciplinary sanctions

Article 17: Re-Enrollment

The Executive Committee may allow the students, whose enrollment was previously cancelled according to Article (16), to be re-enrolled in the program, after at least one year from cancelling date.

Article 18: Amendment of Course` Content

The Executive Committee of the program could approve the update and amend not more than 25% of the scientific content of any course, upon the suggestion

of the responsible scientific department. The amendment should be approved by the Higher Committee and endorsed by the University Council.

Article 19: Course Code

The courses of the program, as shown in Article (20), have a code consisting of two letters and three numbers. From left, the two letters (BC) indicate that the Department of Biochemistry, Faculty of Pharmacy, Tanta University, is the department responsible for organization and coordination of teaching of program courses by the specialized staff members. The first number from the left represents the semester number; the second and third numbers represent the course number within the program. The academic staff of Faculty of Pharmacy and Faculty of Medicine contribute to the program.

Article 20: Program Courses

The following tables show the courses that are taught to obtain the Certificate of "Nutrition in Health Care Diploma", the number of credit hours, the marks of the written, oral and practical exams for each course, and the exam hours.

L: Lectures, **P:** Practical, **T:** Tutorial

Courses of the First Semester				**Exam Marks**				**Exam Hours**
Course Title	Course Code	Credit Hours	L+P/T	Written	P/T	Oral	Total	
Nutrition Basics أساسيات التغذية	**BC-110**	**3**	**2+1**	**60**	**25**	**15**	**100**	**2**
Obesity and Malnutrition السمنة وسوء التغذية	**BC-111**	**3**	**2+1**	**60**	**25**	**15**	**100**	**2**
Parenteral and Enteral Nutrition التغذية الوريدية والمعوية	**BC-112**	**3**	**2+1**	**60**	**25**	**15**	**100**	**2**
Pediatric and Geriatric Nutrition تغذية الأطفال والمسنين	**BC-113**	**3**	**2+1**	**60**	**25**	**15**	**100**	**2**
Sports Nutrition تغذية الرياضيين	**BC-114**	**3**	**2+1**	**60**	**25**	**15**	**100**	**2**
Drug and Poison Information معلومات الدواء والسموم	**BC- 115**	**2**	**1+1**	**60**	**40**	**-**	**100**	**1**
Total Credit Hours		**17**						

Courses of the Second Semester				**Exam Marks**				**Exam Hours**
Course Title	Course	Credit	L+P/T	Written	P/T	Oral	Total	

	Code	Hours						
Nutrition for GIT Diseases التغذية لأمراض الجهاز الهضمي	**BC-216**	**3**	**2+1**	**60**	**25**	**15**	**100**	**2**
Nutrition for Liver Diseases التغذية لأمراض الكبد	**BC-217**	**3**	**2+1**	**60**	**25**	**15**	**100**	**2**
Nutrition for Renal Diseases التغذية لأمراض الكلى	**BC-218**	**3**	**2+1**	**60**	**25**	**15**	**100**	**2**
Nutrition for Cardiovascular and Metabolic Diseases التغذية لأمراض القلب والأوعية الدموية والتمثيل الغذائي	**BC-219**	**3**	**2+1**	**60**	**25**	**15**	**100**	**2**
Nutrition for Cancer Patients التغذية لمرضى السرطان	**BC-220**	**3**	**2+1**	**60**	**25**	**15**	**100**	**2**
Research Project مشروع بحثى	**BC-221**	**2**	**0+2**	**-**	**50**	**50**	**100**	**-**
Total Credit Hours		**17**						

Article 21: Courses` Description

Course Title and Code	Course Content
Nutrition Basics BC-110	Digestion and metabolism of dietary components- Vitamins, minerals and trace elements - Energy production and requirement - Food groups and planning of balanced diets - Antioxidants - Dietary fibers
Obesity and Malnutrition BC-111	Body mass index - Obesity and overnutrition - Metabolic complications of obesity - Pharmacological management of obesity – Disease-related malnutrition - Anemias - Life style modification
Parenteral and Enteral Nutrition BC-112	Peripheral and central parenteral nutrition - Stability and compatibility of parenteral nutrition admixtures - AIO admixtures - Enteral nutrition and complications
Pediatric and Geriatric Nutrition BC-113	Infant nutrition and mental development - Developing healthy eating habits - Nutritional status of children - Changes in body composition and function in elderly - Drug interactions in elderly - Nutritional support in elderly – Drug-food interaction
Sports Nutrition BC-114	Mineral and electrolyte needs in sports - Physical exercise and iron metabolism - Drug abuse in athletes - Risk factors for osteoporosis - Prevention and treatment of osteoporosis

Drug and Poison Information BC-115	Sources of drug and poison information – Credibility – Primary and secondary sources - Applications
Nutrition for GIT Diseases BC-216	Nutritional care for various GIT diseases
Nutrition for Liver Diseases BC-217	Nutritional care for various diseases of hepatic system
Nutrition for Renal Diseases BC-218	Nutritional care for various diseases of renal system
Nutrition for Cardiovascular and Metabolic Diseases BC-219	Nutritional care for various metabolic disorders and diseases of cardiovascular system
Nutrition for Cancer Patients BC-220	Nutrition and genetic factors in carcinogenesis - Diet and cancer guidelines - Nutrigenomics
Research Project BC-221	The students conduct an applied research regarding selected topics of clinical nutrition under supervision of the instructor, to be presented and evaluated with free discussion.

Article 22:

The provisions of the Law of Organizing Universities, its executive regulation, and any amendments thereto are applied in any other statements not considered in this regulation/bylaw.

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