

FACULTY OF HEALTH SCIENCES NUTRITION AND DIETETICS Program of Courses

Course catego	ries: UC = University Core; F	FC = Faculty Core; AC = Area Core; AE = Area Elective; FE = Faculty Elective; UE = University	ty Elective						
Semester	Course Code	Course Title	Course		Hours		Total	Pre-requisite	ECTS Credit
Semester	course coue	Course Time	Category	Lecture	Tutorial	Lab/Prac.	Credit	. re requisite	zoro creare
1	CHEM121	CHEMISTRY	AC	2	1	2	3	-	5
1	NTDT101	PROFESSIONAL ORIENTATION AND ETHICS	AC	2	0	0	2	-	3
1	ANTY111	BASIC ANATOMY	FC	2	0	0	2	-	4
1	MBIO101	MICROBIOLOGY	FC	2	0	0	2	-	4
1	PHYL101	PHYSIOLOGY-I	FC	2	0	0	2	-	4
1	TUOG101 / TURK131	TURKISH LANGUAGE-I / TURKISH AS A FOREIGN LANGUAGE-I	UC	2	0	0	2	_	3
						-	_		-
1	TARH101 / HIST111	ATATURK'S PRINCIPLES AND HISTORY OF TURKISH REFORMS-I	UC	2	0	0	2	-	3
1	ENGL121	ENGLISH-I	UC	3	0	0	3	_	4
-	LITOLILI	Total 8 courses	TOTAL:	17	1	2	18		30
_	011514440				_			011514404	
2	CHEM112	ORGANIC CHEMISTRY NUTRITIONAL ANTHROPOLOGY	AC	3	0	0	3	CHEM121	4
2	NTDT102 ANTY102		AC	2	0	2	2	-	5
2	PHYL102	ANATOMY-II PHYSIOLOGY-II	FC FC	2	0	0	3	-	4
	PHYLLUZ	PRISIDLOGI-II	FC		U	U		TUOG101 /	4
2	TUOG102 / TURK132	TURKISH LANGUAGE-II / TURKISH AS A FOREIGN LANGUAGE-II	UC	2	0	0	2	TURK131	3
2	TARH102 / HIST112	ATATURK'S PRINCIPLES AND HISTORY OF TURKISH REFORMS-II	UC	2	0	0	2	-	3
2	ENGL122	ENGLISH-II	UC	3	0	0	3	ENGL121	4
2	ITEC100	INFORMATION TECHNOLOGIES	UC	2	0	2	3	-	5
		Total 8 courses	TOTAL:	18	0	4	20		30
3	NTDT201	PRINCIPLES OF NUTRITION-I	AC	3	0	2	4	_	6
3	NTDT201 NTDT203	FOOD CHEMISTRY-I	AC	3	0	0	3	-	5
3	NTDT203 NTDT205	NUTRITIONAL BIOCHEMISTRY-I	AC	3	0	0	3	-	4
3	NTDT203	FOOD MICROBIOLOGY AND FOOD SAFETY	AC	3	0	0	3	-	4
3	HESC201	RESEARCH METHODS IN HEALTH SCIENCES	FC	2	0	0	2	-	3
3	HESCXX1	FACULTY ELECTIVE	FE	X	X	X	2	-	4
3	UNIEXX1	UNIVERSITY ELECTIVE	UE	X	X	X	3	-	4
	ONEXXI	Total 7 courses	TOTAL:	14	0	2	20		30
	I								I
4	NTDT202	PRINCIPLES OF NUTRITION-II	AC	3	0	2	4	-	6
4	NTDT204	FOOD CHEMISTRY-II	AC	3	0	0	3	-	5
4	NTDT206	NUTRITIONAL BIOCHEMISTRY-II	AC	3	0	0	3	-	4
4	NTDT208	MOTHER AND CHILD NUTRITION	AC	2	0	2	3	-	3
4	NTDTXX1	AREA ELECTIVE	AE	X	X	X	2	-	4
4	HESCXX2	FACULTY ELECTIVE	FE	X	X	X	2	-	4
4	UNIEXX2	UNIVERSITY ELECTIVE	UE	X	X	X	3	-	4
		Total 7 courses	TOTAL:	11	0	4	20		30
5	NTDT301	MEDICAL NUTRITION THERAPY IN ADULTS-I	AC	3	0	2	4	-	6
5	NTDT303	PEDIATRIC MEDICAL NUTRITION THERAPY-I	AC	2	0	2	3	-	5
5	NTDT305	INSTITUTIONAL NUTRITION-I	AC	3	0	0	3	-	5
5	NTDT307	COMMUNITY NUTRITION ASSESSMENT	AC	2	0	0	2	-	3
5	NTDT309	NUTRITION EDUCATION AND COUNSELING	AC	2	0	1	2	-	3
5	HESCXX3	FACULTY ELECTIVE	FE	Х	Х	Х	2	-	4
5	UNIEXX3	UNIVERSITY ELECTIVE	UE	X	Х	X	3	-	4
		Total 7 courses	TOTAL:	12	0	5	19		30
6	NTDT302	MEDICAL NUTRITION THERAPY IN ADULTS-II	AC	3	0	2	4	-	6
6	NTDT304	PEDIATRIC MEDICAL NUTRITION THERAPY-II	AC	2	0	2	3	-	5
6	NTDT306	INSTITUTIONAL NUTRITION-II	AC	3	0	0	3	-	5
6	NTDT308	NUTRITIONAL PROBLEMS AND EPIDEMIOLOGY	AC	2	0	0	2	-	3
6	HESC302	DEMOGRAPHY AND HEALTH	FC	2	0	0	2	-	3
6	NTDTXX2	AREA ELECTIVE	AE	Х	Х	Х	2	-	4
6	UNIEXX4	UNIVERSITY ELECTIVE	UE	Х	Х	Х	3	-	4
		Total 7 courses	TOTAL:	12	0	4	19		30
7	NTDT400	SUMMER INTERNSHIP	AC	0	0	0	0	-	5
7	NTDT400	CLINICAL NUTRITION PLACEMENT IN ADULTS	AC	0	0	12	6	-	7
7	NTDT403	CLINICAL NUTRITION PLACEMENT IN CHILDHOOD	AC	0	0	12	6	-	7
7	NTDT405	FOOD LAW REGULATIONS	AC	2	0	0	2	-	3
7	NTDTXX3	AREA ELECTIVE	AE	X	Х	X	2	-	4
7	NTDTXX4	AREA ELECTIVE	AE	X	X	Х	2	-	4
		Total 6 courses	TOTAL:	2	0	24	18		30
8	NTDT402	FOOD SERVICE PLACEMENT	AC	0	0	12	6	-	7
8	NTDT402 NTDT404	COMMUNITY NUTRITION PLACEMENT	AC	0	0	12	6	-	7
8	NTDTXX5	AREA ELECTIVE	AE	X	X	X X	2	-	4
8	NTDTXX6	AREA ELECTIVE	AE	X	X	X	2	-	4
8	NTDTXX7	AREA ELECTIVE	AE	X	X	X	2	-	4
8	NTDTXX8	AREA ELECTIVE	AE	X	X	X	2	-	4
	11.517/10	Total 6 courses	TOTAL:	0	0	24	20		30
			RAND TOTAL:	86	1	69	154		240

	Area and Faculty Elective Courses									
			Course		Hours		Total			
No.	Course Code	Course Title	Category	Lecture	Tutorial	Lab/Prac.	Credit	Pre-requisite	ECTS Credit	
1	ENGL311	VOCATIONAL ENGLISH FOR NUTRITION AND DIETETICS-I	AE	2	0	0	2		4	
2	ENGL312	VOCATIONAL ENGLISH FOR NUTRITION AND DIETETICS-II	AE	2	0	0	2		4	
3	NDTD330	ANALYSIS OF SCIENTIFIC PUBLICATIONS	AE	2	0	0	2		4	
4	NDTD331	CANCER AND NUTRITION	AE	2	0	0	2		4	
5	NDTD332	DETERMINATION OF NUTRITIONAL STATUS	AE	2	0	0	2		4	
6	NDTD333	EATING DISORDERS IN ADOLESCENTS	AE	2	0	0	2		4	
7	NDTD334	FLUID AND ELECTROLYTE BALANCE	AE	2	0	0	2		4	
8	NDTD335	FOOD ADDITIVES	AE	2	0	0	2		4	
9	NDTD336	FOOD AND BEVERAGE SERVICES	AE	2	0	0	2		4	
10	NDTD337	FOOD GROUPS AND TECHNOLOGIES	AE	2	0	0	2		4	

								,	, ,
11	NDTD338	FOOD GROUPS IN HEALTHY NUTRITION	AE	2	0	0	2		4
12	NDTD339	FOOD INTOLERANCE AND ALLERGY	AE	2	0	0	2		4
13	NDTD340	FOOD TOXICOLOGY	AE	2	0	0	2		4
14	NDTD341	IMMUNE SYSTEM AND IMMUNONUTRITION	AE	2	0	0	2		4
15	NDTD342	INTRODUCTION TO FOOD SERVICES	AE	2	0	0	2		4
16	NDTD343	INTRODUCTION TO NUTRITION ANTHROPOMETRY	AE	2	0	0	2		4
17	NDTD344	KITCHEN PLANNING AND EQUIPMENT	AE	2	0	0	2		4
18	NDTD345	MACRONUTRIENTS AND DISEASES	AE	2	0	0	2		4
19	NDTD346	MEDICAL BIOLOGY AND GENETICS	AE	2	0	0	2		4
20	NDTD347	MENU PLANNING	AE	2	0	0	2		4
21	NDTD348	METABOLIC DISORDERS	AE	2	0	0	2		4
22	NDTD349	METHODS OF FOOD CONSUMPTION ASSESSMENT	AE	2	0	0	2		4
23	NDTD350	MICRONUTRIENTS AND DISEASES	AE	2	0	0	2		4
24	NDTD351	NUTRITION AND BEHAVIOUR	AE	2	0	0	2		4
25	NDTD352	NUTRITION AND DIETETICS-I	AE	2	0	0	2		4
26	NDTD353	NUTRITION AND DIETETICS-II	AE	2	0	0	2		4
27	NDTD353	NUTRITION AND GENETICS	AE	2	0	0	2		4
28	NDTD354 NDTD355	NUTRITION AND GENETICS NUTRITION COUNSELING PRACTICES	AE	2	0	0	2		4
					_				4
29	NDTD356	NUTRITION ON AGEING	AE	2	0	0	2		
30	NDTD357	NUTRITION PSYCHOLOGY	AE	2	0	0	2		4
31	NDTD358	NUTRITION SUPPORT AT HOME CARE SERVICE	AE	2	0	0	2		4
32	NDTD359	NUTRITIONAL STRATEGIES IN DISASTER	AE	2	0	0	2		4
33	NDTD360	NUTRITIONAL SUPPORT PRODUCTS AND FUNCTIONAL FOODS	AE	2	0	0	2		4
34	NDTD361	NUTRITIONAL SUPPORT SYSTEMS	AE	2	0	0	2		4
35	NDTD362	OCCUPATIONAL HEALTH AND SAFETY	AE	2	0	0	2		4
36	NDTD363	PREVENTIVE NUTRITION	AE	2	0	0	2		4
37	NDTD364	PROBIOTIC, PREBIOTICS AND HEALTH INTERACTIONS	AE	2	0	0	2		4
38	NDTD365	PROFESSIONAL PROJECTS-I	AE	2	0	0	2		4
39	NDTD366	PROFESSIONAL PROJECTS-II	AE	2	0	0	2		4
40	NDTD367	PSYCHIATRIC DISEASES AND NUTRITION	AE	2	0	0	2		4
41	NDTD368	PUBLIC NUTRITION-I	AE	2	0	0	2		4
42	NDTD369	PUBLIC NUTRITION-II	AE	2	0	0	2		4
43	NDTD370	SEMINAR IN NUTRITION AND DIETETICS-I	AE	2	0	0	2		4
44	NDTD371	SEMINAR IN NUTRITION AND DIETETICS-II	AE	2	0	0	2		4
45	NDTD372	SPORTS NUTRITION	AE	2	0	0	2		4
46	NDTD373	STATISTICAL ANALYSIS METHODS IN NUTRITION AND DIETETICS	AE	2	0	0	2		4
47	NDTD374	SURGICAL TREATMENT OF OBESITY	AE	2	0	0	2		4
48	NDTD374 NDTD375	SUSTAINABLE NUTRITION	AE	2	0	0	2		4
_					0				4
49	NDTD376	USE CREATIVE DRAMA IN NUTRITION EDUCATION	AE	2		0	2		
50	NDTD377	WEIGHT MANAGEMENT IN CHILDREN AND ADOLESCENTS	AE	2	0	0	2		4
51	NDTD378	WORLD CUISINES	AE	2	0	0	2		4
52	PHRM406	PHYTOTHERAPY	AE	2	0	0	2		4
53	PHRM423	FOOD-DRUG INTERACTIONS	AE	2	0	0	2		4
54	HESC330	INFORMATICS IN HEALTH	FE	2	0	0	2		4
55	HESC331	QUALITY IN HEALTH SERVICES	FE	2	0	0	2		4
56	HESC332	DIAGNOSTIC METHODS	FE	2	0	0	2		4
57	HESC333	PROTECTION AGAINST RADIATION	FE	2	0	0	2		4
58	HESC334	LABORATORY TECHNIQUES AND SAFETY	FE	2	0	0	2		4
59	HESC335	PHYSICAL ACTIVITY FOR HEALTH	FE	1	0	2	2		4
60	HESC336	FUNCTIONAL NEUROANATOMY AND NEUROPHYSIOLOGY	FE	2	0	0	2		4
61	HESC337	ERGONOMICS	FE	2	0	0	2		4
62	HESC338	PUBLIC HEALTH	FE	2	0	0	2		4
63	HESC339	DEMOGRAPHY AND HEALTH RELATIONSHIP	FE	2	0	0	2		4
64	HESC340	HISTOLOGY	FE	2	0	0	2		4
65	HESC341	EPIDEMIOLOGY	FE	2	0	0	2		4
66	HESC342	HEALTH EDUCATION AND DEVELOPMENT OF HEALTH	FE	2	0	0	2		4
67	HESC343	DISABILITY AND LIFE	FE	2	0	0	2		4
68	HESC344	HEALTH TOURISM	FE	2	0	0	2		4
	HESC345	MEDICAL TERMINOLOGY	FE	2	0	0	2		4
69									4
70	HESC346	HEALTH LEGISLATION	FE	2	0	0	2		
71	HESC347	PREVENTIONAL HEALTH	FE	2	0	0	2		4
72	HESC348	PROFESSIONAL ETHICS AND DEONTOLOGY IN HEALTH SCIENCES	FE	2	0	0	2		4
73	HESC351	INFECTION DISEASES	FE	2	0	0	2		4
74	HESC352	BASIC ECG	FE	2	0	0	2		4
75	HESC353	INTRODUCTION TO SYSTEMIC DISEASES	FE	2	0	0	2		4
76	MBIO101	MICROBIOLOGY	FE	2	0	0	2		4
77	HESC354	PRINCIPLES OF NUTRITION	FE	2	0	0	2		4
78	PATH350	PATHOLOGY	FE	2	0	0	2		4
79	PHRM332	PHARMACOLOGY	FE	2	0	0	2		4
80	PSYC231	PSYCHOLOGY	FE	2	0	0	2		4
81	BIOL350	BIOLOGY AND GENETICS	FE	2	0	0	2		4
82	BCHM231	BIOCHEMISTRY	FE	2	0	0	2		4
83	PSYC386	COMMUNICATION AND BEHAVIORAL SCIENCES	FE	2	0	0	2		4
0.3	F31C380	CONTINUONICATION AND BEHAVIORAL SCIENCES	FE		U	U		l	

General Goal of the Program	The purpose of the Nutrition and Dietetics program; To raise dietitians who increase the protection and development of public health, provide adequate and healthy nutrition for the society, comply with the qualifications determined within the framework of international professional standards, have scientific and ethical values, act in the light of universal values, and follow up-to-date information in the science of nutrition and dietetics.
	1 Gains a deep professional knowledge in the field of Nutrition and Dietetics, both theoretically and practically.
	2 Have the ability to identify, interpret, decide and solve problems in the field of Nutrition and Dietetics using abstract and practical information.
	3 Has the ability to evaluate the nutritional status of healthy individuals, communities and patients, using up-to-date knowledge and skills in the field of Nutrition and Dietetics, and to choose and apply appropriate evidence-based intervention approaches by using analytical thinking in case of problems.
Program Outputs	4 Has the ability to use modern information technologies and technological equipment.
	5 Has the ability to communicate verbally and in writing on national and international professional issues in the field of nutrition and dietetics.
	6 Adopting the importance of lifelong learning and quality management, has the ability to follow the latest developments in science, technology, education and health
	7 Gains the ability to work independently in various fields of Nutrition and Dietetics such as Nutrition Sciences, Dietetics, Collective Meal Systems and Community
	8 Have the ability to plan scientific studies, collect data, analyze, interpret and report results.
	9 Has the knowledge and practical skills to develop food and nutrition plans and policies, and national and international nutrition recommendations for individuals and
	10 They gain the awareness of acting in accordance with ethical rules that will reflect the values and ethical principles that guide the profession.

The comment of the part of the comment of the comme		Course Descriptions – I: All Area Core and Faculty/School Core c				nent of the prog	gram.
This come appears adulants in the bacageouse of this northino perfection, the many of production could be the case of plants of the production of the produc	Course Code	Course Title	Credit	ECTS Credit		Pre-requisite	Teaching Language
reconstruction to anothery and bases concepts, basic makes terromotogy, regional automory and pasts of all body, general information about himsion body students of appearance and pathodism anotherical pages from the control of the	Course	This course exposes students to the background of the nutrition profession, the meaning of profession care team. In addition, students are introduced to the scope of practice within the dietitian career, at the students will, understand their role in the dietetics profession, explain the code of ethics for the educational and certification requirements of nutrition professionals, list and discuss career options of the educational and certification requirements.	onalism, the Coon nd given opport profession, disco within the nutrit	le of Ethics unities to o uss the cor ion field, o	s for the pro- explore pote ncept of prof discuss the p	ential career choice fessionalism as it re rocess and purpose	ationship of dietitians to the heal s. Upon completion of this course lates to their career, articulate th
reconstruction to anothery and bases concepts, basic makes terromotogy, regional automory and pasts of all body, general information about himsion body students of appearance and pathodism anotherical pages from the control of the	NTY111	BASIC ANATOMY	(2,0,0)2	4	FC		English
This course is the basis for learning various assessment and treatment methods in the curriculum of the program and for future applications in professional life. Letture, group work, resomethods are contained to a student or the basis of best provided to contain the conductable. The air of this course is the provided to the contained to a student or an article of the course are an article or an article of the course are an article or article or an article or art	Course Content	Introduction to anatomy and basic concepts, basic medical terminology, regional anatomy and parts anatomical position, general information about planes, bones and joints, anatomy of respiratory syst system anatomy, digestive system, esophagus, stomach, small, large intestines, liver, pancreas and g parathyroid, adrenal and pineal glands, genitourinary system anatomy, kidneys, ureters, bladder, pro	of our body, ger em, anatomy of allbladder anato ostate, uterus a	meral informations musculos omy, endo and ovaries	mation abou keletal syste crine system and reprodi	m, brain and nervo anatomy, pituitary uctive system. To p	ctural organization and systems, bus system anatomy, cardiovascul r, hypothalamus, thyroid,
propriesentation, discussion will be conducted. The aim of this course is to give information to students on the basis of basis of physiological concepts, the round information principles and mechanisms of elitisates and organisms with each other and the evaluation of how their functions and recommendation of elitisates and organisms are strategies. The course is the students of the evaluation of how their functions are controlled to the course of the course o	PHYL101						
TYPOZ NETWORKS PRINCIPLES OF ANYPHYDOLS PRINCIPLES PRINCIPLES OF ANYPHYDOLS PRINCIPLES PRINC	Course Content	report presentation, discussion will be conducted. The aim of this course is to give information to stu mechanisms of cell, tissue and organ systems that make up the human body, and systems. In addition	idents on the ba	sis of basic	c physiologic	al concepts, the no	rmal functioning principles and
his course is the basis for learning various assessment and treatment methods in the curriculum of the program and for future applications in professional IIE. The aim of this course is to provide students with knowledge and skills about skelderal and musculer systems alto body systems that from the basis components of more reservation, discussion and practice. This course includes the functional and clinical anatomy of the structures that make up the central and peripheral nervous system, sensory organs, at uncomposed to the structure of the structures of the structures of the provide structures of the structures of	Course Content	This course will focus on the study of human dietary practices from biological and cultural perspectiv nutrition, principles of ecology, diet from an evolutionary, comparative and historical perspective, the anthropology. Gaining knowledge and skills about nutritional practices and food habits, in different c Kitchen in Pre and Posthistorical Periods, Nutrition in Ancient and Hittite Periods, Eating Tools, Those	es. The course e impact of und continents and s	ernutritior ocieties an	clude the dev n on human nd affecting f	physiology, and behactors. Introduction	cional anthropology, principles of naviour and methods in nutrition n to Nutritional Anthropology,
The course is the basis for learning various assessment and treatment methods in the curriculum of the program and for future applications in professional life. The aim of this course to provide understanding whether the sales components of movement. Lectures, group work, research, report presentation, discussion will be conducted. The aim of the course is to provide information on the basis of basis of basis of physiological concepts, the normal functioning principles and mechanisms of the provides of the provides of the provides of the provides and order on the part of the provides of the past of the provides of	Course Content	This course is the basis for learning various assessment and treatment methods in the curriculum of the provide students with knowledge and skills about skeletal and muscular systems and body systems the presentation, discussion and practice. This course includes the functional and clinical anatomy of the	the program and hat form the bas	ic compor	e application nents of mov	rement. Lectures, g	re. The aim of this course is to roup work, research, report
provide students with knowledge and stills about skeletal and muscular systems and body systems that form the basic compensation, discussion will be conducted. The aim of the course is to provide information on the basis of basic physiological concepts, the normal functioning principles and mechanisms, such and organ systems that make up the human body, and systems. In addition, the interaction of systems with each other and the evaluation of how their functions are organized. This course will give students an introduction to the fundamental principles of human nutrition emphasizing the topics of structure and function of the macronutrients, their energy metaban and role in overall health. It is aimed to provide theoretical information about requirements of macronutrients, dietary sources, intake levels, physiological role, and requirement of macronutrients, cooking methods and food groups. The biological determinants of nutrition requirements and the assessment of instructure and function of the macronutrients, their energy metaban and role in overall health. It is aimed to provide theoretical information about requirements of macronutrients, dietary sources, intake levels, physiological role, and requirement of macronutrients, cooking methods and food groups. The biological determinants of nutrition requirements and the assessment of instructions and possible and requirement of macronutrients, coincing methods and food groups. The biological determinants of nutrition requirements and the assessment of afferent countries. The role of diet in the development of dietary guidelines and of nutrition policies in different countries. The role of diet in the development and macronutrients, better energy and the assessment of a feet and guidelines and of nutrition policies in different countries. The role of diet in the development and of nutrition policies in different countries. The role of diet in the development and of nutrition policies in different countries. The role of diet in the development and of nutrition	HYL102	PHYSIOLOGY-II	(2,0,0)2	4	FC		English
This course will give students an introduction to the fundamental principles of human nutrition emphasizing the topics of structure and function of the macronutrients, their energy metab and role in overall health. It is aimed to provide theoretical information about requirements of macronutrients, dietary sources, intake levels, physiological role, and requirement of macronutrients, cooking methods and food groups. The biological determinants of nutrient requirements and the assessment of nutrient status in individuals and populations. The role of macronutrients, cooking methods and food groups. The biological determinants of nutrient requirements and the assessment of nutrient status in individuals and populations. The role of diet in the development of dietary guidelines and of nutrition policies in different countries. The role of diet in the development of dietary guidelines and of nutrition policies in different countries. The role of diet in the development of dietary guidelines and of nutrition policies in different countries. The role of diet in the development of dietary guidelines and of nutrition policies in different countries. The role of diet in the development of dietary guidelines and of nutrition policies in different countries. The role of diet in the development of dietary guidelines and of nutrition policies in different countries. The role of diet in the development and properties of the major and minor food components and the chemical changes these constituents undergot during handling, processing and storage including those that limit food shelf life. The course will cover water, carobhydrates, protein, lipids, minerals, vitamins and the chemical changes of the real-world examples. Problem based learning and group work with the topic of treat-world examples. Problem based learning and group work with the topic of the major and minor food components and the chemical changes of their development based on the development of the development of the development of food fermination of the main	Course Content	provide students with knowledge and skills about skeletal and muscular systems and body systems the presentation, discussion will be conducted. The aim of the course is to provide information on the ba	hat form the basis of basic phys	sic compor siological c	nents of mov oncepts, the	rement. Lectures, g normal functionin	roup work, research, report g principles and mechanisms of c
The course is intended to give students an overview of the chemical and physical properties of the major and minor food components and the chemical changes these constituents undergored uring handling, processing and storage including those that limit food shelf life. The course will cover water, carbohydrates, protein, lipids, minerals, vitamins and enzymes. In addition, core and additives will be discussed. There will be an emphasis on the applied aspects of food chemistry with the help of real-world examples. Problem based learning and group work will need integrated into the course to help students to apply scientific principles to understanding the chemical properties of foods. **DITIZOS** **DUTRITIONAL BIOCHEMISTRY-I** **The objective of the course is to the function and metabolism of carbohydrate, protein, lipids and vitamins and by chemical changes of their deficiency and excess states. This course will go students an introduction to the fundamental principles of human nutrition emphasizing the topics of structure and function of the macronutrients, their energy metabolism and role in owe health. The details of the digestion process will be described along with the consequences of excess and deficient intake of the various macronutrients. The role of fibre and different types lipid will receive special attention especially as they relate to the development and/or control of obesity. **PODD MICROBIOLOGY AND FOOD SAFETY** **FOOD MICROBIOLOGY AND FOOD SAFETY** **FO							
during handling, processing and storage including those that limit food shelf life. The course will cover water, carbohydrates, protein, lipids, minerals, vitamins and enzymes. In addition, co flavor, and additives will be discussed. There will be an emphasis on the applied aspects of food chemistry with the help of real-world examples. Problem based learning and group work wintegrated into the course to help students to apply scientific principles to understanding the chemical properties of foods. DITIONAL BIOCHEMISTRY-	Course Content	This course will give students an introduction to the fundamental principles of human nutrition empt and role in overall health. It is aimed to provide theoretical information about requirements of macromacronutrients, cooking methods and food groups. The biological determinants of nutrient requirem nutrition in growth and health through the life cycle. The rationale for the development of dietary gu	nasizing the topi onutrients, dieta nents and the as	cs of struc ery sources sessment	ture and fun s, intake leve of nutrient s	els, physiological ro tatus in individuals	nutrients, their energy metabolis le, and requirement of and populations. The role of
The objective of the course is to the function and metabolism of carbohydrate, protein, lipids and vitamins and by chemical changes of their deficiency and excess states. This course will gi students an introduction to the fundamental principles of human nutrition emphasizing the topics of structure and function of the macronutrients, their energy metabolism and role in ove health. The details of the digestion process will be described along with the consequences of excess and deficient intake of the various macronutrients. The role of fibre and different types lipid will receive special attention especially as they relate to the development and/or control of obesity. Total	Course	This course will give students an introduction to the fundamental principles of human nutrition empt and role in overall health. It is aimed to provide theoretical information about requirements of macro macronutrients, cooking methods and food groups. The biological determinants of nutrient requirem nutrition in growth and health through the life cycle. The rationale for the development of dietary gu chronic diseases, such as cardiovascular disease, cancer, diabetes, etc.	nasizing the topi onutrients, dieta nents and the as uidelines and of	cs of struc iry sources sessment on nutrition p	ture and fun s, intake leve of nutrient s oolicies in dif	els, physiological ro tatus in individuals	nutrients, their energy metabolis le, and requirement of and populations. The role of ne role of diet in the developmen
students an introduction to the fundamental principles of human nutrition emphasizing the topics of structure and function of the macronutrients, their energy metabolism and role in over health. The details of the digestion process will be described along with the consequences of excess and deficient intake of the various macronutrients. The role of fibre and different types lipid will receive special attention especially as they relate to the development and/or control of obesity. FOOD MICROBIOLOGY AND FOOD SAFETY	Course Content	This course will give students an introduction to the fundamental principles of human nutrition empt and role in overall health. It is aimed to provide theoretical information about requirements of macro macronutrients, cooking methods and food groups. The biological determinants of nutrient requirem nutrition in growth and health through the life cycle. The rationale for the development of dietary gu chronic diseases, such as cardiovascular disease, cancer, diabetes, etc. FOOD CHEMISTRY-I The course is intended to give students an overview of the chemical and physical properties of the m during handling, processing and storage including those that limit food shelf life. The course will cove flavor, and additives will be discussed. There will be an emphasis on the applied aspects of food chem	nasizing the topi onutrients, diete nents and the as sidelines and of (3,0,0)3 aajor and minor er water, carboh mistry with the h	sessment on the session of the sessi	ture and funs, intake leve of nutrient solicies in dif	els, physiological ro tatus in individuals ferent countries. TI the chemical chang , minerals, vitamin	Lutrients, their energy metabolis le, and requirement of and populations. The role of ane role of diet in the developmen the role of diet in the developmen length of the role of diet in the developmen length of the role of diet in the developmen length of the role of diet in the developmen length of the role of the r
The course aims to provide the fundamentals necessary for the assessment of safety and microbiological quality in foods. This course covers the characteristic of microbial growth, intrinsic extrinsic factors and their relationship to microbial growth; the principles of food fermentation and the role of beneficial microbes; the role of microorganisms and food spoilage; pathogen microorganisms, infection and intoxication, mycotoxin, viruses and parasites; the principles to control microbial growth; as well as qualitative and quantitative microbiological analysis. Knowledge of the experimental protocols for the determination of the main microbial groups and of some pathogens in food. Furthermore, the teaching provides the basis for the underst of the basic concepts of hygiene and epidemiology, to safeguard the health of the community. **SC201** **RESEARCH METHODS IN HEALTH SCIENCES** The aim of this course is to develop students' knowledge, use and evaluation skills. Firstly; General information about research, research designs, data collection tools, examining their valid and reliability and scientific report writing, basic sampling methods, statistical interpretation, statistical estimation methods, hypothesis tests are examined. Courses are conducted by usin SPSS package program. General information about the research, statistical estimation methods, hypothesis tests are examined. Courses are conducted by usin SPSS package program. General information about the research, statistical estimation methods, hypothesis tests are examined. Courses are conducted by usin SPSS package program. General information about the research, statistical estimation methods, bescriptive Statistics, Graphing and Interpreting, Normal particularity, statistical sample areas. Two Independent Tests, Independe	Course Content TDT203 Course Content	This course will give students an introduction to the fundamental principles of human nutrition emphand role in overall health. It is aimed to provide theoretical information about requirements of macro macronutrients, cooking methods and food groups. The biological determinants of nutrient requirem nutrition in growth and health through the life cycle. The rationale for the development of dietary gu chronic diseases, such as cardiovascular disease, cancer, diabetes, etc. FOOD CHEMISTRY-I The course is intended to give students an overview of the chemical and physical properties of the m during handling, processing and storage including those that limit food shelf life. The course will cove flavor, and additives will be discussed. There will be an emphasis on the applied aspects of food chemintegrated into the course to help students to apply scientific principles to understanding the chemical course to help students to apply scientific principles to understanding the chemical course to help students to apply scientific principles to understanding the chemical course to help students to apply scientific principles to understanding the chemical course to help students to apply scientific principles to understanding the chemical course to the course to help students to apply scientific principles to understanding the chemical course to the course of the chemical course of the che	(3,0,0)3 ajor and minor er water, carboh nistry with the h	s of structory sources sessment of nutrition putrition p	ture and funs, intake leve of nutrient solicies in dif	els, physiological ro tatus in individuals ferent countries. TI the chemical chang , minerals, vitamin	nutrients, their energy metabolis le, and requirement of and populations. The role of ne role of diet in the developmen length of the developmen length of the length of t
The aim of this course is to develop students' knowledge, use and evaluation skills. Firstly; General information about research, research designs, data collection tools, examining their valid and reliability and scientific report writing, basic sampling methods, statistical interpretation, statistical estimation methods, hypothesis tests are examined. Courses are conducted by usin SPSS package program. General information about the research, stages and implementation of the research, writing of the research report, development of data collection tools and tools used in the study, Calculation Methods on Data, Combining Data and Variables, Introduction to Data Analysis, Frequency Tables, Descriptive Statistics, Graphing and Interpreting, Normal Distribution, Single Sample Tests. Two Independent Two Sample Tests. Independent More Than Two Sample Tests. Correlation Analysis	Course Content TDT203 Course Content TDT205 Course	This course will give students an introduction to the fundamental principles of human nutrition emphand role in overall health. It is aimed to provide theoretical information about requirements of macra macronutrients, cooking methods and food groups. The biological determinants of nutrient requirem nutrition in growth and health through the life cycle. The rationale for the development of dietary gu chronic diseases, such as cardiovascular disease, cancer, diabetes, etc. FOOD CHEMISTRY-I The course is intended to give students an overview of the chemical and physical properties of the m during handling, processing and storage including those that limit food shelf life. The course will cove flavor, and additives will be discussed. There will be an emphasis on the applied aspects of food chen integrated into the course to help students to apply scientific principles to understanding the chemic NUTRITIONAL BIOCHEMISTRY-I The objective of the course is to the function and metabolism of carbohydrate, protein, lipids and vits students an introduction to the fundamental principles of human nutrition emphasizing the topics of health. The details of the digestion process will be described along with the consequences of excess a lipid will receive special attention especially as they relate to the development and/or control of obe-	(3,0,0)3 amins and by ch (3,0,0)3 agior and minor- er water, carboh mistry with the P al properties of	ss of structory sources sessment in nutrition possible foods.	ture and fun, intake leve of nutrient solicies in dif	els, physiological ro tatus in individuals ferent countries. Th the chemical chang t, minerals, vitamin nples. Problem base ir deficiency and ex utrients, their energ	Lutrients, their energy metabolis le, and requirement of and populations. The role of and populations. The role of the role of diet in the development of diet in the development of diet in the development of diet in the role of d
	Course Content TDT203 Course Content TDT205 Course Content TDT207	This course will give students an introduction to the fundamental principles of human nutrition emphand role in overall health. It is aimed to provide theoretical information about requirements of macra macronutrients, cooking methods and food groups. The biological determinants of nutrient requirem nutrition in growth and health through the life cycle. The rationale for the development of dietary gu chronic diseases, such as cardiovascular disease, cancer, diabetes, etc. FOOD CHEMISTRY-I The course is intended to give students an overview of the chemical and physical properties of the m during handling, processing and storage including those that limit food shelf life. The course will cove flavor, and additives will be discussed. There will be an emphasis on the applied aspects of food chemintegrated into the course to help students to apply scientific principles to understanding the chemical nutrition of the course is to the function and metabolism of carbohydrate, protein, lipids and vits students an introduction to the fundamental principles of human nutrition emphasizing the topics of health. The details of the digestion process will be described along with the consequences of excess a lipid will receive special attention especially as they relate to the development and/or control of obeen the fundamentals in the course aims to provide the fundamentals necessary for the assessment of safety and microbiolog extrinsic factors and their relationship to microbial growth; the principles of food fermentation and it microorganisms, infection and intoxication, mycotoxin, viruses and parasites; the principles to control Knowledge of the experimental protocols for the determination of the main microbial groups and of	(3,0,0)3 amins and by chestructure and felicient into the felicient in	s of structury sources sessment in nutrition putrition of ake of the demonstration of ake of the putrition	AC onents and rotein, lipids AC onents and rotein, lipids AC anges of their the macronic various mai	the chemical change the chemical change the chemical change to the c	Legish Legand group work will be send colored and group work will give be send colored and different types of the send colored group work will be colored group work will give be send colored group work will be s
	Course Content NTDT203 Course	This course will give students an introduction to the fundamental principles of human nutrition emph and role in overall health. It is aimed to provide theoretical information about requirements of macra macronutrients, cooking methods and food groups. The biological determinants of nutrient requirem nutrition in growth and health through the life cycle. The rationale for the development of dietary gu chronic diseases, such as cardiovascular disease, cancer, diabetes, etc. FOOD CHEMISTRY-I The course is intended to give students an overview of the chemical and physical properties of the m during handling, processing and storage including those that limit food shelf life. The course will cove flavor, and additives will be discussed. There will be an emphasis on the applied aspects of food chem integrated into the course to help students to apply scientific principles to understanding the chemical nutries of the course to help students to apply scientific principles to understanding the chemical NUTRITIONAL BIOCHEMISTRY-I The objective of the course is to the function and metabolism of carbohydrate, protein, lipids and vitt students an introduction to the fundamental principles of human nutrition emphasizing the topics of health. The details of the digestion process will be described along with the consequences of excess alipid will receive special attention especially as they relate to the development and/or control of obertrinsic factors and their relationship to microbial growth; the principles of food fermentation and tentroorganisms, infection and intoxication, mycotoxin, viruses and parasites; the principles to control Knowledge of the experimental protocols for the determination of the main microbial groups and of of the basic concepts of hygiene and epidemiology, to safeguard the health of the community. RESEARCH METHODS IN HEALTH SCIENCES The aim of this course is to develop students' knowledge, use and evaluation skills. Firstly; General in and reliability and scientific report writing, basic sampl	(3,0,0)3 apior and minor er water, carbon histry with the hall properties of (3,0,0)3 amins and by ch structure and feight of the role of benefield microbial grov some pathogen (2,0,0)2 formation abou cal estimation in seesarch, writing Analysis, Frequi	s of structury sources sessment in nutrition putrition of a de minimum putrition of ake of the emical charaction of ake of the sind putrition of the putrition putrition of the research ethods, high of the research putrition pu	AC ponents and rotein, lipids are made so the state of th	the chemical chang the chemical change the chemical cha	English cess states. This course will give gy metabolism and propulations and group work will b English cess these constituents undergo s and enzymes. In addition, color, and learning and group work will b English cess states. This course will give gy metabolism and role in overall gle of fibre and different types of English c of microbial growth, intrinsic an s and food spoilage; pathogenic e microbiological analysis. ides the basis for the understand English on tools, examining their validity courses are conducted by using the lata collection tools and tools to b

Course Content	This course will focus on general definition, and concepts of micronutrients. Micronutrients-health interaction, Importance of water balance, factors affecting water loss, dehydration and damages, prevention and treatment, minerals: lodine, fluoride, chromium, calcium, phosphorus, magnesium, Iron, zinc, selenium, copper, manganese functions, sources, need, deficiency problems, vitamins: chemistry, properties, sources, absorption and metabolism of vitamins A, D, E, K, need, deficiency problems, Other B group vit. vitamin C, flavonoids chemistry, properties, sources, absorption and metabolism, need, deficiency problems, combining theoretical and practical applications.
NTDT204	FOOD CHEMISTRY-II (3,0,0)3 5 AC English
Course Content	This course will provide the students with a deep understanding of how food components contribute to overall quality of foods; and to enable students to evaluate and explain how the highly complex nature of food may result in a multitude of desired and undesired reactions which are controlled by a variety of parameters. Reactions of food components during processing: Maillard reaction, enzymatic browning. Non-microbial contaminants such as heavy metals and pesticides, color pigments, aroma compounds, sugar and fat replacers. Discusses the chemical composition of several food groups (meats, fruits, vegetables, and dairy) and describes the chemical reactions and changes that take place during processing and storage, as well their effects on the quality and nutritional characteristics of these foods.
NTDT206	NUTRITIONAL BIOCHEMISTRY-II (3.0.0)3 3 AC English
Course Content	The objective of the course is to the function and metabolism of water and electrolyte, minerals and hormones and by chemical changes of their deficiency and excess states metabolic change in fasting and satiety. Vitamins, Minerals, Water and Electrolytes, Hormones, Metabolic change in fasting and satiety. The aim of this course is to introduce the students to the fundamental principles of nutrition but with particular emphasis on the micro-nutrients (Vitamins and minerals). Their digestion and absorption will be described along with their importance in maintaining metabolic processes and their implications for overall health. The course will also describe the development of nutritional guidelines, how these are derived and their applicability to individuals and populations.
Course Content	MOTHER AND CHILD NUTRITION (2,0,2)3 3 AC English Overview of Issues and Child Nutrition in Turkey and in the World, Pregnancy Physiology, Problems, Needs and Nutrition (theoretical / practical), Breast Milk applications, Breast Milk and Properties (theoretical / practical) Nutrition and Mental Development (theoretical / practical), Characteristics and Nutrition of 0-1 Age Group Children 1 (theoretical / practical), Characteristics and Needs of 0-1 Age Group Children, Needs, Supplementary Food, Child Food and Features (theoretical / practical), Nutrition of Preschool and School Age Children (theoretical / practical), Nutrition in Adolescence (Theoretical / practical), Childhood and Adolescent Obesity, Its Problems (Theoretical / practical), Childhood and Adolescent Obesity, Its Problems (Theoretical / practical), Childhood and Adolescent Obesity, Its Problems (Theoretical / practical)
NTDT301	MEDICAL NUTRITION THERAPY IN ADULTS-I (3,0,2)4 6 AC English This course introduces the student to the concept of modifying the general diet to meet various medical conditions. Principles of patient interviewing, analysis of the patient's nutritional needs
Course Content	and the interpretation of food restrictions in menu planning and food shopping are presented. The physical, psychological and social needs of the patient are presented with emphasis on its nutritional consequences. This course includes the study of nutritional care of the patient with upper and lower gastrointestinal disorders, weight management, diabetes and related endocrine disorders, coronary heart disease, atherosclerosis, enteral feeding, total parenteral nutrition (TPN), liver disorders, renal disease, cancer, HIV/AIDS and feeding disabilities.
NTDT303 Course Content	PEDIATRIC MEDICAL NUTRITION THERAPY-I (2,0,2)3 5 AC English This course aims to help students in making decisions on medical nutrition therapy and reviewing the recent articles in order to improve themselves. The Important of Medical nutrition therapy in Childhood Disease Premature nutrition, Protein Energy Maluntrition and Medical nutrition therapy, Acute gastroenteritis and Medical nutrition therapy, Malabsorptions (CHO, Protein, Lipid) and Medical nutrition therapy, Metabolic disorders in children and Medical nutrition therapy (PKU), Metabolic disorders in children and Medical nutrition therapy (other aminoacidopathies), Metabolic disorders in children and Medical nutrition therapy (CHO), Metabolic disorders in children and Medical nutrition therapy (Lipid), Type 1 diabetes and Medical nutrition therapy Chronic Kidney Diseases and Medical nutrition therapy, Formulas and enteral products, Oncology and Medical nutrition therapy, Epilepsy and ketogenic diets.
NTDT305	INSTITUTIONAL NUTRITION-I (3,0,0)3 5 AC English
Course Content	Management and organizational processes related with foodservice systems management, evaluation of foodservice systems from buying to food storage are the content of this course. What is a foodservice system?, Management and organization in the foodservice systems, Human resources in the foodservice systems, Marketing in the foodservice systems, Managing financial resources in the foodservice systems, Quality assurance in the foodservice systems, Legislation related with foodservice systems, Physical conditions, kitchen and dining hall equipment, Planning the menus and standardization in foodservice systems, Supply chain in foodservice systems, Institutional buying techniques, Food production, Food storage principles in foodservice systems.
NTDT307	COMMUNITY NUTRITION ASSESSMENT (2,0,0)2 3 AC English
Course Content	Direct and indirect methods used in determination of nutritional status, anthropometric measurements, biochemistry, biophysics, clinical examination, diet research, ecological factors affecting nutritional status, nutrition related health statistics constitute the content of this course. Since this course is a very important vocational course, the attendance requirement at 70% will be strictly followed. Community nutrition, Nutritional epidemiology and medical statistical data, Methods of detection of nutritional status general classification (direct and indirect methods), Anthropometric measurements, Clinical manifestations, Health story, biochemical and laboratory methods, Assessment of nutrition, determination of food consumption, Indirect methods for determining nutritional status, Determination of Energy Expenditure, Practical applications for determining nutritional status - anthropometric measurements, Practical applications for determining nutritional status-assessment of nutrition, Food consumption surveys and results
NTDT309	NUTRITION EDUCATION AND COUNSELING (2,0,1)2 3 AC English
Course Content	This course aims at introducing students to the theories and skills necessary to design and implement nutrition education programs. It shows how nutrition education can facilitate dietary changes in a group of people. It introduces students to nutrition education basics, definition, history, aims, field and challenges. The course introduces students to the science of nutrition, its application in the health education process. The students will learn about nutrition education definition, rationale, impact, role of health educator and nutrition services, and nutritional population problems. Specific educational needs of patients' population with specific health conditions will be emphasized. Also it discusses nutrition education methods, approaches in nutrition counseling and nutrition education challenges.
NTDT302	MEDICAL NUTRITION THERAPY IN ADULTS-II (3.0.2)4 6 AC English
Course Content	(3,0,2)4 6 AC Lights (1,0)4 English ACULTS-III (1,0)4 English ACULTS-I
NTDT304	PEDIATRIC MEDICAL NUTRITION THERAPY-II (2,0,2)3 5 AC English
Course Content	This course covers the essential knowledge and skills for understanding childhood diseases and nutrition. This course covers the essential knowledge and skills for understanding childhood diseases and nutrition. This course aims to help students in making decisions on medical nutrition therapy and reviewing the recent articles in order to improve themselves. The Important of Medical nutrition therapy in Childhood Disease Premature nutrition, Protein Energy Malnutrition and Medical nutrition therapy, Acute gastroenteritis and Medical nutrition therapy, Malabsorptions (CHO, Protein, Lipid) and Medical nutrition therapy, Metabolic disorders in children and Medical nutrition therapy (PKU), Metabolic disorders in children and Medical nutrition therapy (CHO), Metabolic disorders in children and Medical nutrition therapy (Depth), Type 1 diabetes and Medical nutrition therapy (Depth), Type 1 diabetes and Medical nutrition therapy, Epilepsy and ketogenic diets.

NTDT306	INSTITUTIONAL NUTRITION-II	(3,0,0)3	5	AC		English
	Managing foodservice systems in profit organizations, service methods, cost control, HACCP and other organizations I (kitchen plan, restaurant plan), Management of foodservice systems in profit organizatio management in foodservice systems, Banquet management (menu, personnel, cost, marketing and the systems, Cost control in foodservice systems II, Hygiene managen Latest technologies and innovations in foodservice systems, Overview of problems encountered in the foodservice systems.	ons II (menus, sales), Foodse nent in foodse	personnel ervice syste rvice syste	planning), ems in natu	Large-scale food pre ural disasters, Stock n	paration and cooking, Service nanagement in foodservice
NTDT308	NUTRITIONAL PROBLEMS AND EPIDEMIOLOGY	(2,0,0)2	3	AC		English
Course Content	The overall objective of this course is to provide students with a critical understanding of theoretical an The focus will be on observational studies of the role of diet and nutrition in chronic disease (as opposite the material will have a strong methodological emphasis and is intended for graduate students with an conducted. Specifically, students will be expected to gain a critical understanding of the design, conduct methods applied for assessment of this exposure, familiarity with methodological issues related to nutrispecific research questions, and issues regarding data analysis and interpretation.	d to food-born interest in un ., analysis and itional epidem	ne infection derstandin interpreta niologic stu	us disease g how epic tion of nut dies such a	outbreaks and associ demiologic studies of critional epidemiologi	ated issues, or under-nutrition). diet and chronic disease are c studies, including the usual ss of various study designs for
HESC302	DEMOGRAPHY AND HEALTH	(2,0,0)2	3	AC		English
Content	This course examines population health and well-being consequences of demographic changes from an in how demographic changes affect population health and well-being from both a theoretical and pract will be involved in a novel discussion of ongoing controversies about the causes and effects of such den several sociodemographic (age, gender,), economic (education, social class,), and contextual (coundiscussed. SUMMER INTERNSHIP	cal standpoin	t and using	national a ourse will	ind cross-national cor pay special attention	mparisons. Moreover, the student to how health intersects with
Course Content	Developing students' practices on the identification of risk groups in a community, the frequency of hea evaluation and interpretation of the nutritional status and nutritional habits of the society, raising the a Determining the nutritional status and nutritional habits of the society, raising awareness and education developing nutrition education programs/materials for special groups.	olth problems wareness and n of the individ	education	ups, their c of the indi se society c	ividual and society or	measures. Determination, a dequate and balanced nutrition. nced nutrition and health,
NTDT401	CLINICAL NUTRITION PLACEMENT IN ADULTS	(0,0,12)6	7	AC		English
Course Content	The purpose of the internship, the students obtained during three academic years the knowledge and s help strengthen the correct decision to develop the skills, opportunities to gain experience at work. This and resultant nutritional implications. An additional objective of the course is to introduce the student if professionals. The students will also be introduced to the principles and methods of diet modification for the principles and diet methods of diet modification for the principles and diet methods of diet modification for the principles and diet methods of diet modification for the principles and diet methods of diet modification for the principles and diet methods of diet mo	s internship wi the termino or some comm	ill provide logy neces ion disease	the studen sary to eng es.	t with an overview of	the pathophysiology of disease onversation with other medical
NTDT403	CLINICAL NUTRITION PLACEMENT IN CHILDHOOD	(0,0,12)6	7	AC		English
Course Content	The purpose of the internship, the students obtained during three academic years, the knowledge and to help strengthen the correct decision to develop the skills, opportunities to gain experience at work. I and resultant nutritional implications. An additional objective of the course is to introduce the student typrofessionals. The students will also be introduced to the principles and methods of diet modification for the principles and diet methods of diet modification for the principles and diet methods of diet modification for the principles and diet methods of diet modification for the principles and diet methods of diet modificat	his internship o the termino or some comm	will provid logy neces on disease	de the stud sary to eng	ent with an overview	r of the pathophysiology of disease onversation with other medical
NTDT405	FOOD LAW REGULATIONS	(2,0,0)2	3	AC		English
Course	This course is designed to provide practical knowledge for those who must understand the legal and reg. To be familiar with regulations and able to determine which regulations are applicable to a given food products, the food industry and other food handlers; to develop the ability to successfully search for for food quality, Food additives, Genetic Changed Organisms, Organic, nanotecnologia foods, Pesticides, Fo	roduct. To de od laws, regula	velop an u ations, and	nderstandi other rela	ng of national laws ar ted topics. Food cont	nd regulations that apply to food
NTDT402	FOOD SERVICE PLACEMENT	(0,0,12)6	7	AC		English
Course	The purpose of the internship, the students obtained during three academic years, the knowledge and applying them to help strengthen the correct decision to develop the skills, opportunities to gain experi pathophysiology of disease and resultant nutritional implications. An additional objective of the course conversation with other medical professionals. The students will also be introduced to the principles an	ence at work. is to introduce	This interret the stude	ship will p	rovide the student w erminology necessary	ith an overview of the y to engage in appropriate
NTDT404	COMMUNITY NUTRITION PLACEMENT	(0,0,12)6	7	AC		English
C	The purpose of the internship, the students obtained during three academic years, the knowledge and applying them to help strengthen the correct decision to develop the skills, opportunities to gain experi pathophysiology of disease and resultant nutritional implications. An additional objective of the course conversation with other medical professionals. The students will also be introduced to the principles an	ence at work. is to introduce	This interrettee the stude	ship will p	rovide the student wi erminology necessary	ith an overview of the v to engage in appropriate
	Cauring Dani della un III All Aug D					
Course	Course Descriptions – II: All Area Core and Faculty/School Cor Course Title		orred k	other	academic units. Pre-requisite	Teaching Language
CHEM121	CHEMISTRY CHEMISTRY	Credit (2,1,2)3	5	AC	r re-requisite	English
Course	This course includes basic topics of the scientific method, measurement, states of matter, atomic struct atomic and molecular structure, bonding, and reactions. The aim of the course is to teach basic theories compounds, chemical bonds, chemical reactions, solutions, and gas laws. The course will focus on chemical formulas, Mixtures and solutions, Chemical reactions, Aqueous solutions, Oxidation-reduction Gases, Liquids, Chemical Balance-Aqueous solution balances, descriptive chemistry of metals and non-non-non-non-non-non-non-non-non-non	ure, the period and principle istry, matter, reactions, Re	s of generations and action stoi	hemical pr al chemistr elements, chiometry,	y like matter, atoms, Compounds and nan electronic structure	periodic properties, chemical ning, Mole and Molar Mass,
	MICROBIOLOGY	(2,0,0)2	4	FC		English
	The aim of this course is to inform students about principles of general microbiology and general aspect Basic morphological structures of bacteria, Bacterial metabolism and growth, Bacterial genetics / Gener properties of viruses, General properties of fungi / General properties of parasites, Sterilization, disinfe pathogenesis of infectious agents and normal flora, Transmission ways and pathogenesis of infectious a finectious agents transmitted from gastrointestinal tract and food borne infections, Infectious agents tr	al properties of action Antibact gents and nor	of Ricketts erial agent mal flora I	iae, Mycop s, Environr ntroduction	lasmas, Chlamydiae a mental microbiology , n to immune system,	and Spirochetes, General / Transmission ways and Mechanisms of Innate immunity /,

CHEM112	ORGANIC CHEMISTRY	(3,0,0)3	4		CHEM121	English
Course Content	This course provides a systematic study of the theories, principles, and techniques of organic chemistry hydrocarbons, alkyl halides, alcohols, and ethers; further topics include isomerization, stereochemistry and reactions. Introduction to organic chemistry, Binding and isomerism, Alkanes and Cycloalkanes: Co Stereoisomerism, Organic Halogen Compounds; Displacement and Separation reactions, Alcohols, Pher Carbohydrates, lipids, Amino Acids, Peptides and Proteins.	and spectros nformational i	copy. Topi somer and	cs include; I Geometri	carbon compounds a c Isomer, Alkenes and	nd their nomenclature, synthesis d Alkynes, Aromatic Compounds,

	Course Descriptions – III: All Area Elective courses offe	red by the d			program.	
Code	Course Title	Credit	Cradit	Catego	Pre-requisite	Teaching Language
NDTD330	ANALYSIS OF SCIENTIFIC PUBLICATIONS	(2,0,0)2	4	AE		English
Course Content	Review the scientific articles related to food, nutrition and dietetics. Introduction of the course instructions are the Databases? How to reach the Scientific Article? Research Methods in the Field of Research Type English Article Presentation and Discussion Case-Control Research Type English Article Article Presentation and Discussion, Prospective (Iongitudinal / Iongitudinal) Research Type English Article Presentation and Discussion, Prospective (Iongitudinal / Iongitudinal) Research Type English Article Presentation and Discussion, Prospective (Iongitudinal / Iongitudinal) Research Type English Article Presentation and Discussion, Prospective (Iongitudinal / Iongitudinal) Research Type English Article Presentation and Discussion Research Type English Article Presentation Research Type English Research Type English Article Presentation Research Type English Article Presentation Research Type English Article Presentation Research Type English Research Type	Nutrition and D Presentation ar	iet, how t nd Discuss	o read, ana ion, Clinica	lyze and discuss a s	scientific article? Cross-Sectional
IDTD331	CANCER AND NUTRITION	(2,0,0)2	4	AE		English
Course Content	This will provide the student with an overview of the challenges associated with the evaluation and m decisions on medical nutrition therapy for cancer prevention and cancer, and reviewing the recent art Turkey and the World, Nutrigenetics, Cellular cancer processes, Role of macronutrients in cancer prev screening and assessment in oncology, Nutrition support for oncology patients.	icles in order to	improve	themselve	s. The definition of	cancer, the prevalence of cancer in
IDTD332	DETERMINATION OF NUTRITIONAL STATUS	(2,0,0)2	4	AE		English
Course Content	This course introduces assessment of nutritional status of groups and individuals. Limitations of the various assessment activities including assessment of dietary intake using proper computer programs, physical and clinical examination. The sensitivity, reliability and reproducibility of each technique will technique. Students will learn about anthropometrics measurement techniques and devices and dieta to measure energy expenditure and biochemical assessment will also be covered. Additionally, studen assessment of nutritional status/ subjective global assessment SGA, national dietary and nutrition sun through case study examples with at-risk groups.	anthropometri oe discussed. Th ry analysis and ts will learn abo	c measure le student evaluation out assess	ement suita s will be su n using bot ment of bo	able for different ag abjected to practical th qualitative and qu dy composition usi	ge groups, biochemical assays, I training to acquaint them with eve µantitative methodology. Technique ng a variety of techniques, clinical
IDTD333	EATING DISORDERS IN ADOLESCENTS	(2,0,0)2	4	AE		English
Course Content	This course aims to help students in making decisions on managing diet therapy for eating disorders. I disorders, including anorexia nervosa, bulimia, and binge eating disorder. Treatment is considered fro Obesity and its relationship with eating disorders will also be addressed. Topics covered during this co of care; Prevention; Individual, group and family approaches; Community and inpatient care of childre voluntary sector Ethical issues; Service development.	m a team-based urse are: Asses	d approach	n to include hildren, ac	e psychological, cog lolescents and adult	nitive, and physiological processes. ts; CBT and other therapies; Models
	Edition issues, service development.					
NDTD334	FLUID AND ELECTROLYTE BALANCE	(2,0,0)2	4	AE		English
Course		the compartme ysiology, Funct nechanisms wh	nt-soluble ions of the ich regula	particles, water, Bo te fluid and	dy water distribution delectrolyte balance	gulating fluid and electrolyte baland on, Body water compartments, e. Factors that cause fluid and
Course Content	FLUID AND ELECTROLYTE BALANCE The distribution of water and electrolytes in the body, its functions, the body fluid compartments and fluid and electrolyte imbalances, acid-base balance with the requirements will be examined. Water ph Particles that soluble in water, the movement of fluids and electrolytes, Fluid densities, Homeostatic r	the compartme ysiology, Funct nechanisms wh	nt-soluble ions of the ich regula	particles, water, Bo te fluid and	dy water distribution delectrolyte balance	gulating fluid and electrolyte baland on, Body water compartments, e. Factors that cause fluid and
Course Content IDTD335	FLUID AND ELECTROLYTE BALANCE The distribution of water and electrolytes in the body, its functions, the body fluid compartments and fluid and electrolyte imbalances, acid-base balance with the requirements will be examined. Water ph Particles that soluble in water, the movement of fluids and electrolytes, Fluid densities, Homeostatic relectrolyte imbalances, Fluid and electrolyte balance in elderly, infar	the compartme ysiology, Funct nechanisms wh tts and children (2,0,0)2 ion and mechar f food additives tives, their effe	ent-soluble ions of the ions of the ich regula i, Fluid and 4 nism of act i. Classific ct on proc	e particles, e water, Bo te fluid and electrolyt AE tion of foor ation, chen duct shelf li	dy water distribution di electrolyte balance e replacement, Acio di additives. Advanta ical structure, qual fe, toxicological asp	gulating fluid and electrolyte baland on, Body water compartments, e. Factors that cause fluid and di-base balance. English ages and risks of additives. lity standards of food additives and bects. Natural, nature-identical and
Course Content NDTD335 Course Content	FLUID AND ELECTROLYTE BALANCE The distribution of water and electrolytes in the body, its functions, the body fluid compartments and fluid and electrolyte imbalances, acid-base balance with the requirements will be examined. Water ph Particles that soluble in water, the movement of fluids and electrolytes, Fluid densities, Homeostatic relectrolyte imbalances, Fluid and electrolyte imbalances, Fluid and electrolyte balance in elderly, infar provide knowledge of international and national legislation on the use of food additives. Classificatical Classification, physicochemical properties and role of food additives. Health aspects and legalisation on their determination in raw materials, food products. Natural and synthetic colourants. Major preserva synthetic flavours and their identification. Chemical structure of emulsifiers, thickeners, antioxidants,	the compartme ysiology, Funct nechanisms wh tts and children (2,0,0)2 ion and mechar f food additives tives, their effe	ent-soluble ions of the ions of the ich regula i, Fluid and 4 nism of act i. Classific ct on proc	e particles, e water, Bo te fluid and electrolyt AE tion of foor ation, chen duct shelf li	dy water distribution di electrolyte balance e replacement, Acio di additives. Advanta ical structure, qual fe, toxicological asp	gulating fluid and electrolyte baland on, Body water compartments, e. Factors that cause fluid and di-base balance. English ages and risks of additives. lity standards of food additives and bects. Natural, nature-identical and
Course Content NDTD335	FLUID AND ELECTROLYTE BALANCE The distribution of water and electrolytes in the body, its functions, the body fluid compartments and fluid and electrolyte imbalances, acid-base balance with the requirements will be examined. Water ph Particles that soluble in water, the movement of fluids and electrolytes, Fluid densities, Homeostatic relectrolyte imbalances, Fluid and electrolyte imbalance in elderly, infar electrolyte imbalances, Fluid and electrolyte balance in elderly, infar provide knowledge of international and national legislation on the use of food additives. Classification, physicochemical properties and role of food additives. Health aspects and legalisation of their determination in raw materials, food products. Natural and synthetic colourants. Major preserva synthetic flavours and their identification. Chemical structure of emulsifiers, thickeners, antioxidants, food additives.	the compartme ysiology, Funct nechanisms wh ts and children (2,0,0)2 ion and mechar f food additives tives, their effe stabilisers and of (2,0,0)2 tudents with ar	ent-soluble ions of the ion soft the ion soft the ion regular. Fluid and 4 hism of act. Classification processing the introduction and introdu	particles, e water, Bote fluid and electrolyt AE cion of fooi ation, chen fluct shelf littives, and the cion to the boduct development of the coduct development in the coduct development in the cion to the coduct development in the cion to the coduct development in the cion to the	dy water distribution of electrolyte balance e replacement, Acion and distribution of the control of the contro	gulating fluid and electrolyte baland on, Body water compartments, e. Factors that cause fluid and d-base balance. English ages and risks of additives. lity standards of food additives and pects. Natural, nature-identical and uct quality. Mechanisms of action compared to the services and operations. It offers a sur, equipping and staffing, events and requipping and staffing, events and requipers and requirements and requirements are requirements.
Course Content NDTD335 Course Content NDTD336 Course	FLUID AND ELECTROLYTE BALANCE The distribution of water and electrolytes in the body, its functions, the body fluid compartments and fluid and electrolyte imbalances, acid-base balance with the requirements will be examined. Water ph Particles that soluble in water, the movement of fluids and electrolytes, Fluid densities, Homeostatic relectrolyte imbalances, Fluid and electrolyte imbalances, Fluid and electrolyte balance in elderly, infar and provide knowledge of international and national legislation on the use of food additives. Classificat Classification, physicochemical properties and role of food additives. Health aspects and legalisation on their determination in raw materials, food products. Natural and synthetic colourants. Major preserva synthetic flavours and their identification. Chemical structure of emulsifiers, thickeners, antioxidants, food additives. FOOD AND BEVERAGE SERVICES To give the basic knowledge and skills necessary for food and beverage service. This course provides shistorical background of the development of food and beverage services, their operations and management of the development of food and beverage services, their operations and management of the development of food and beverage services, their operations and management of the development of food and beverage services, their operations and management of the development of food and beverage services.	the compartme ysiology, Funct nechanisms wh ts and children (2,0,0)2 ion and mechar f food additives tives, their effe stabilisers and of (2,0,0)2 tudents with ar	ent-soluble ions of the ion soft the ion soft the ion regular. Fluid and 4 hism of act. Classification proceeds the additional the introduction and introductio	particles, e water, Bote fluid and electrolyt AE cion of fooi ation, chen fluct shelf littives, and the cion to the boduct development of the coduct development in the coduct development in the cion to the coduct development in the cion to the coduct development in the cion to the	dy water distribution of electrolyte balance e replacement, Acion and distribution of the control of the contro	gulating fluid and electrolyte baland on, Body water compartments, e. Factors that cause fluid and d-base balance. English ages and risks of additives. lity standards of food additives and pects. Natural, nature-identical and uct quality. Mechanisms of action compared to the services and operations. It offers a sur, equipping and staffing, events and requipping and staffing, events and requipers and requipers and requipers and requipers and requipers and requipers and requirements and requirements are requirements.
Course Content IDTD335 Course Content IDTD336 Course Content IDTD337 Course	FLUID AND ELECTROLYTE BALANCE The distribution of water and electrolytes in the body, its functions, the body fluid compartments and fluid and electrolyte imbalances, acid-base balance with the requirements will be examined. Water ph Particles that soluble in water, the movement of fluids and electrolytes, Fluid densities, Homeostatic relectrolyte imbalances, Fluid and electrolyte imbalance in elderly, infar electrolyte imbalances, Fluid and electrolyte balance in elderly, infar for provide knowledge of international and national legislation on the use of food additives. Classificat Classification, physicochemical properties and role of food additives. Health aspects and legalisation of their determination in raw materials, food products. Natural and synthetic colourants. Major preserva synthetic flavours and their identification. Chemical structure of emulsifiers, thickeners, antioxidants, food additives. FOOD AND BEVERAGE SERVICES To give the basic knowledge and skills necessary for food and beverage service. This course provides shistorical background of the development of food and beverage services, their operations and manage performance. Basic principles of service, Style of service, Dining room organization and personnel, Beverage services.	the compartme ysiology, Funct nechanisms wh ts and children (2,0,0)2 for and mechan f food additives tives, their effect stabilisers and (2,0,0)2 tudents with a rement phases, serage service, and and biochemic.	nt-soluble ons of the characteristic of the	Particles, e water, Bo te fluid and electrolyt AE tion of food ation, chen that the second ation, chen that the second ation the country and the second ation the coluct development and the second ation the coluct development and the second ation the coluct development and the second ation the second ation the second ation at the second ation at the second ation at the second at the second ation at the second ation at the second at	dy water distribution of electrolyte balance e replacement, Acic distribution of electrolyte balance e replacement, Acic distribution of distribution of distribution of the production of the p	gulating fluid and electrolyte balands on, Body water compartments, e. Factors that cause fluid and disbase balance. English ages and risks of additives. ity standards of food additives and sects. Natural, nature-identical and uct quality. Mechanisms of action of English services and operations. It offers a in, equipping and staffing, events a stitution visiting. English of food processing operations, relationship to current processing
Course Content ADTD335 Course Content ADTD336 Course Course	FLUID AND ELECTROLYTE BALANCE The distribution of water and electrolytes in the body, its functions, the body fluid compartments and fluid and electrolyte imbalances, acid-base balance with the requirements will be examined. Water ph Particles that soluble in water, the movement of fluids and electrolytes, Fluid densities, Homeostatic relectrolyte imbalances, Fluid and electrolyte imbalances, Fluid and electrolyte balance in elderly, infar electrolyte imbalances, Fluid and electrolyte balance in elderly, infar for provide knowledge of international and national legislation on the use of food additives. Classificat Classification, physicochemical properties and role of food additives. Health aspects and legalisation of their determination in raw materials, food products. Natural and synthetic colourants. Major preserva synthetic flavours and their identification. Chemical structure of emulsifiers, thickeners, antioxidants, food additives. FOOD AND BEVERAGE SERVICES To give the basic knowledge and skills necessary for food and beverage service. This course provides shistorical background of the development of food and beverage services, their operations and manage performance. Basic principles of service, Style of service, Dining room organization and personnel, Beverage ground food the development of food and managene performance of food chemistry, food microbiology, food engineering unit operations, nutrition processing of cereals, fruit and vegetables, meat and meat products, dairy, and fats and oils, chemical methods to obtain food products with desired quality. Students will learn nutritional characteristics or	the compartme ysiology, Funct nechanisms wh ts and children (2,0,0)2 for and mechan f food additives tives, their effect stabilisers and (2,0,0)2 tudents with a rement phases, serage service, and and biochemic.	nt-soluble ons of the characteristic of the	Particles, e water, Bo te fluid and electrolyt AE tion of food ation, chen that the second ation, chen that the second ation the country and the second ation the coluct development and the second ation the coluct development and the second ation the coluct development and the second ation the second ation the second ation at the second ation at the second ation at the second at the second ation at the second ation at the second at	dy water distribution of electrolyte balance e replacement, Acic distribution of electrolyte balance e replacement, Acic distribution of distribution of distribution of the production of the p	gulating fluid and electrolyte balands on, Body water compartments, e. Factors that cause fluid and disbase balance. English ages and risks of additives. ity standards of food additives and sects. Natural, nature-identical and uct quality. Mechanisms of action of English services and operations. It offers a in, equipping and staffing, events a stitution visiting. English of food processing operations, relationship to current processing
Course Content IDTD335 Course Content IDTD336 Course Content IDTD337 Course Content	FLUID AND ELECTROLYTE BALANCE The distribution of water and electrolytes in the body, its functions, the body fluid compartments and fluid and electrolyte imbalances, acid-base balance with the requirements will be examined. Water ph Particles that soluble in water, the movement of fluids and electrolytes, Fluid densities, Homeostatic relectrolyte imbalances, Fluid and electrolyte imbalances, Fluid and electrolyte balance in elderly, infar electrolyte imbalances, Fluid and electrolyte balance in elderly, infar for provide knowledge of international and national legislation on the use of food additives. Classificat Classification, physicochemical properties and role of food additives. Health aspects and legalisation on their determination in raw materials, food products. Natural and synthetic colourants. Major preserva synthetic flavours and their identification. Chemical structure of emulsifiers, thickeners, antioxidants, food additives. FOOD AND BEVERAGE SERVICES To give the basic knowledge and skills necessary for food and beverage service. This course provides shistorical background of the development of food and beverage services, their operations and manage performance. Basic principles of service, Style of service, Dining room organization and personnel, Beverond and personnel, Beverond for the development of food microbiology, food engineering unit operations, nutrition processing of cereals, fruit and vegetables, meat and meat products, dairy, and fats and oils, chemical methods to obtain food products with desired quality. Students will learn nutritional characteristics o into groups according to their nutrients.	the compartme ysiology, Funct nechanisms what is and children to and mechanisms who taken to another the compartment of the compartment of the food additives tives, their effects tabilisers and compartment of the compartme	nt-soluble ons of the characteristic of the	particles, e water, Bc te fluid and electrolyte AE attion of foor attion, chemical titives, and the action to the oduct develor as of a control titives, and the action to the oduct develop as of a control titives.	dy water distribution of electrolyte balance e replacement, Acic de lectrolyte balance e replacement, Acic de lectrolyte balance e replacement, Acic de lectrolyte de lect	gulating fluid and electrolyte baland on, Body water compartments, e. Factors that cause fluid and dibase balance. English ages and risks of additives. ity standards of food additives and occts. Natural, nature-identical and uct quality. Mechanisms of action of English services and operations. It offers a on, equipping and staffing, events at stitution visiting. English of food processing operations, relationship to current processing food composition and classify foods English to generations, relationship to current processing food composition and classify foods
Course Content IDTD336 Course Content IDTD337 Course Content IDTD337 Course Content IDTD338 Course Content	FLUID AND ELECTROLYTE BALANCE The distribution of water and electrolytes in the body, its functions, the body fluid compartments and fluid and electrolyte imbalances, acid-base balance with the requirements will be examined. Water ph Particles that soluble in water, the movement of fluids and electrolytes, Fluid densities, Homeostatic relectrolyte imbalances, Fluid and electrolyte imbalances, Fluid and electrolyte balance in elderly, infar electrolyte imbalances, Fluid and electrolyte balance in elderly, infar classification, physicochemical properties and role of food additives. Health aspects and legalisation on their determination in raw materials, food products. Natural and synthetic colourants. Major preserva synthetic flavours and their identification. Chemical structure of emulsifiers, thickeners, antioxidants, food additives. FOOD AND BEVERAGE SERVICES To give the basic knowledge and skills necessary for food and beverage service. This course provides shistorical background of the development of food and beverage services, their operations and manage performance. Basic principles of service, Style of service, Dining room organization and personnel, Beverotrance in the service of the development of service, Dining room organization and personnel, Beverotrance, Integrating principles of food chemistry, food microbiology, food engineering unit operations, nutrition processing of cereals, fruit and vegetables, meat and meat products, dairy, and fats and oils, chemical methods to obtain food products with desired quality. Students will learn nutritional characteristics o into groups according to their nutrients. FOOD GROUPS IN HEALTHY NUTRITION Basic facts and principles of human nutrition are presented. Basic four food groups: Nutritional signific function, classification and sources of the four main food groups: bread and cereal group, meat egg le plans, the Dietary Guidelines, Food Exchange System, Recommended Dietary Allowances and other st.	the compartme ysiology, Funct nechanisms what is and children to and mechanisms who taken to another the compartment of the compartment of the food additives tives, their effects tabilisers and compartment of the compartme	nt-soluble ons of the characteristic of the	particles, e water, Bc te fluid and electrolyte AE attion of foor attion, chemical titives, and the action to the oduct develor as of a control titives, and the action to the oduct develop as of a control titives.	dy water distribution of electrolyte balance e replacement, Acic de lectrolyte balance e replacement, Acic de lectrolyte balance e replacement, Acic de lectrolyte de lect	gulating fluid and electrolyte baland on, Body water compartments, e. Factors that cause fluid and dibase balance. English ages and risks of additives. ity standards of food additives and occts. Natural, nature-identical and uct quality. Mechanisms of action of English services and operations. It offers a on, equipping and staffing, events at stitution visiting. English of food processing operations, relationship to current processing food composition and classify foods English to generations, relationship to current processing food composition and classify foods

C	discussions of the risk factors, epidemiology and natural history, and prevention of food allergies are to food allergy. The focus of the course is a description of the diagnostic process involved in identifying for appropriate referrals. The management of food allergy is also discussed, highlighting the treatment of s the need for patient education and a brief look to the future of treatment. Humoral and Cellular Immur Classification of food intolerances Diagnose of food intolerances, Atopic dermatitis, Urticaria, Angioede	od allergies, v evere reactio ity, Food Ant	vith an exp ns after in igens Ig-E a	loration of a dvertent in and non-lg-l	the benefits and risks ngestion of an allerge E induced reactions, I	of testing and comment on n. The course closes by addressing
NDTD340	FOOD TOXICOLOGY	(2,0,0)2	4	AE		English
Course Content	This course covers the essential knowledge and skills for understanding food toxicology. This course als covered include principles of food toxicology, acute toxicity and evaluation of LD50; common toxicants examination; blood, urine and fecal examination. Topics include: mechanisms of regulation of xenotist toxins in food plants; a comprehensive review of the issues surrounding dioxins; the function of antioxic modes of action of this growing group of nutraceuticals from food plants; diet and drug interactions.	n foods and r c activation a	nethods of nd deactiv	detoxificat ation; deve	ions; toxicological ex lopments in the mod	amination indices; hepatological es of action and impact of natural
NDTD341	IMMUNE SYSTEM AND IMMUNONUTRITION	(2,0,0)2	4	AE		English
	The relationship between nutrition and the immune system, the effect of the change in nutrition on the Immune System and Organs of the Immune System, Immune System Functions, Immunonutrients/Glutz Folic Acid, Antioxidants (Vitamin A,C,E etc), Prebiotics, Probiotics Immune nutrition in critical illness and infection - nutritional modulation of immune function – malnutrition and immunocompetence - nutrien – nutrient recommendations – Immuno-nutrition for the critically ill.	amine/Arginir some chroni ts of importa	ne/w-3 fatt c diseases.	y acidsHum – Students	noral and Cellular Imr s will learn patho-phy	nunity, Selenium, Zinc, Copper, siology of immune response to – altered nutritional requirements
NDTD342	INTRODUCTION TO FOOD SERVICES	(2,0,0)2	4	AE		English
Course	This course aims to help students in making decisions on managing food and beverage operations. Stud overview of the foodservice industry at large. Attention is initially focused on major industry segments, components of the foodservice system: marketing, menu planning, production, service, controls, and quemphasized throughout the course.	business prac	tices, and	trends. Sub	sequently, detailed o	onsideration is given to the
NDTD343	INTRODUCTION TO NUTRITION ANTHROPOMETRY	(2,0,0)2	4	AE		English
Course Content	The goal of the course is to introduce the concepts of nutritional assessment and the practical application settings. Definition and methods of anthropometric measurements. What is Nutrition Anthropometry? and adults, Growth monitoring in children, Body fat free mass and fat mass, Skinfold thickness, Skinfold composition measurement, Biophysical measurement	Body weight thickness, Ar	measurem hthropome	ent for child tric measur	dren and adults, Body	y height measurement for children people and elderly, Body
Course Content	KITCHEN PLANNING AND EQUIPMENT The aim of this course is to enhance the skills of students by introducing kitchen tools and equipment, t management and organization, equipment, kitchen installations, layout, design, and internal decoration Introduction to kitchen planning, Importance of kitchen planning, kitchen types, kitchen planning check Occupational health and safety, Acceptance of good, storage, preparation, service, distribution.	of both prod	luction and	service are	eas in a restaurant or	food production facility.
NDTD345	MACRONUTRIENTS AND DISEASES	(2,0,0)2	4	AE		English
	This course aims to help students in understanding the importance of macro nutrients for health, synth various diseases, and discussing recent publications that discuss the relationship between diseases and macronutrient (carbohydrates, lipids and protein) metabolism and function in the human body, includir function in relationship to the metabolic abnormalities of various diseases (diabetes, cardiovascular, Ce management in these disease states. To develop a sound knowledge base that can be applied to a wide	macro nutrie g factors that liac, carbohyo	nts. The co t affect die drate intole	urse aims; tary require erances, etc	To understand the phements. To understar	nysiological importance of nd macronutrient metabolism and
NDTD346	MEDICAL BIOLOGY AND GENETICS	(2,0,0)2	4	AE		English
Course	The course is an introduction to medical biology and genetics and methods used within these fields. The chromosomal structure, and extrachromosomal inheritance. The molecular basis of transmission of gen recombination, transposition, transcription, and translation. Examples of gene regulation. Inheritance on DNA between bacteria. Gene technology: restriction mapping, genetic libraries, cloning, gene expression limitations and ethics of gene technology are discussed.	etic informat f genetic info	ion: nuclei rmation: n	acids and neiosis, sexu	proteins. DNA replica ual reproduction and	ition, DNA repair, mutations, classical genetics and transfer of
NDTD347	MENU PLANNING	(2,0,0)2	4	AE	os of monus and fa	English
	In this course, students examine the basic elements of menu planning. Topics include pricing, ordering, special emphasis. Other topics include marketing strategies, the life cycle of the menu, and cost-control with menu planning; Identify and discuss the elements of proper menu planning, including ordering, correlates to the menu planning process; and explain various other concepts relevant to menu planning, in	s. Students w oversion, and	ill: Develo food prefe	an unders erences; Ass	tanding of the processess the importance of	dures and best practices associated of nutrition, and understand how it
NDTD348	METABOLIC DISORDERS	(2,0,0)2	4	AE		English
Course	The course focuses on the causes of metabolic disorders and kinds of these disorders which can be a recertain foods, or a number of other factors. This course provides students with sufficient knowledge on metabolic syndrome, obesity, inborn errors of metabolism, iodine deficiency disorder, and celiac diseas deficiency induced metabolic disorders and medical nutrition therapy of them. Introduction to metabol Cycle Disorders, Propionate Metabolism Disorders Carbohydrate Metabolism Disorders, Fatty Acid Oxic	the most con e. Importance ic disorders, F	nmon of the of nutrition henylketo	ese disorde on in conge	ers. The course includ nital, autosomal rece	les topics on Diabetes Mellitus, ssive, enzyme or cofactor
NDTD349	METHODS OF FOOD CONSUMPTION ASSESSMENT	(2,0,0)2	4	AE		English
Course Content	This course provides a comprehensive introduction to the methods and approaches for conducting nutrinclude in-depth overview of the assessment methods, strengths and limitations of methodology, evaluassessment methods, and basic analytical approaches used to interpret assessment data. 24-hour recal disadvantages of food consumption, Advantages and disadvantages of food consumption, Comparison of consumption with developing technologies.	ation and inte , Food freque	erpretation ency questi	of assessm onnaire Foo	nent data, sources of od record, Observation	measurement errors, validity of on of food intake, Advantages and
NDTD350	MICRONUTRIENTS AND DISEASES	(2,0,0)2	4	AE		English
Course	This course aims to help students in understanding the importance of micronutrients for health, synthe diseases, studying recent publications that discuss the relationship between diseases and micronutries vitamins A and D their relationships with diseases, The properties, digestion, absorption, metabolism of B12 vitamins and pantothenic acid and biotin vitamins, minerals C2, Zn, minerals Se, Mg, minerals P, I, r	s. Introduction	on to micro nd K and B	nutrients, L-B2 of vita	The properties, diges mins C and vitamins I	tion, absorption, metabolism of niacin -B6 and vitamins folate and

	<u> </u>				<u> </u>		
OTD351	NUTRITION AND BEHAVIOUR	(2,0,0)2	4	AE			English
	The objective of the course is to evaluate the effects of macro and micro nutrients and nonnutritive subs of nutrition, complemented by units on the role of nutrition in behaviour and cognition, and the manager						
	to old age including topics such as in-utero programming, infant feeding practices, the development of fc						
Course	development of obesity including appetite and weight control, disordered eating behaviours, prevention	of diet-relat	ed disease	, and the re	ole of diet in normal	ageing and age	related conditions.
ontent							
OTD352	NUTRITION AND DIETETICS-I	(2,0,0)2	4	AE			English
J10332	The aim of the course is to enable students to develop the knowledge and skills in nutrition science, diete				avioural sciences wh		
Course	certification of dietitians and for working in health care. The course is designed to teach students how to						
ontent	dietetics. During the course the students will develop the ability to identify, critically analyse and solve no also develop the ability to independently initiate and propose improvements with respect to aspects of c						•
	also develop the ability to independently illitiate and propose improvements with respect to aspects of c	OOKING and I	oou teciiii	ology, cuite	ire, social, psycholog	y, environmen	t and economy.
DTD353	NUTRITION AND DIETETICS-II	(2,0,0)2	4	AE			English
	The aim of the course is to enable students to develop the knowledge and skills in nutrition science, diete						
Course	certification of dietitians and for working in health care. The course is designed to teach students how to dietetics. During the course the students will develop the ability to identify, critically analyse and solve n	-					
ontent	also develop the ability to independently initiate and propose improvements with respect to aspects of c	ooking and f	ood techn	ology, cultu	re, social, psycholog	y, environmen	t and economy.
OTD354	NUTRITION AND GENETICS	(2,0,0)2	1	AE			English
J1U354	This course focuses on the effect of diet on gene expression, and nutrigenetics, how genetic differences a		nt uptake		olism. This course in		
	ethnic differences and gene variants- genetic variation; the future of genetic nutrition - nutrigenetics and		-				
ourse	nutrients related to the genes, Genetic variation, genes and nutrients related to the genes, Nutrigenetics expression, Taste and genetic, Vitamins and genes, Cancer, genetic and nutrition, Obesity, genetic and nu	_	nomics, G	enetic, nutr	ition and cardiovasc	ular disease, Ni	utrients and genes
ontent	expression, raste and genetic, vitamins and genes, canter, genetic and nutrition, obesity, genetic and no	attition.					
DTD355	NUTRITION COUNSELING PRACTICES	(2,0,0)2	4	AE			English
	This course will increase and refine the student's pre-professional experience in helping people change the improving their health and reducing the rick of change diseases. Introduction to the fundamentals of pro-	_			n accocamant 1 - 1	heara! -	I monu alees !
Course	improving their health and reducing the risk of chronic diseases. Introduction to the fundamentals of pro interviewing and counselling. Nutritional counseling services, practice methods and training methods. Int						
ontent	Education paths and methods, Education materials and principles for the preparation of these materials,		tion and A	wareness, I	Ethics in Nutrition Ed	ucation Behavi	or Therapy,
TD256	Preparation of Education Plan and Module, Media and Nutrition, Literature review, Project Presentations NUTRITION ON AGEING	(2,0,0)2	4	45		1	English
DTD356	This course reviews the health issues and nutritional needs of older adults, from a public health perspect			AE v of aging.	nutritional impacts		
Course	diseases, and nutritional interventions for healthy aging. Topics will include pathophysiology of aging, nu	_	-				-
ontent	nutritional interventions for major aging-related diseases. Apply principles of good nutrition across the co				residing in the comn	nunity and in lo	ng-term care
	facilities. Evaluate the impact of chronic and acute diseases on organ system function and nutrient requir	ements in o	der adults				
				•			
OTD357	NUTRITION PSYCHOLOGY	(2,0,0)2	4	AE			English
Course	NUTRITION PSYCHOLOGY This course will examine attitudes, behaviors, and practices surrounding food choices and eating behavior these fundamental human behaviors. Students will apply current research from each of these approache psychology, the hedonic sub-dimensions of nutrition and developmental, cognitive, psychological and ph selection 1: Developmental model, Theoretical model in food selection 2: Cognitive model. Theoretical m Physiological model, Appetite regulation: hunger-satiety mechanism, Bio-circadian nutrition, Emotional nutrition, Emoti	ors. Students is to better u ysiological m nodel in food	will use ponderstand nodels. Me selection	AE sychologica their own tabolic effe 3: Psycholo	behavior. The relation ects of psychological gical model, Theoret	I and social the enship between situation, Theo cical model in fo	ories to investigate nutrition and retical model in food ood selection 4:
	This course will examine attitudes, behaviors, and practices surrounding food choices and eating behavior these fundamental human behaviors. Students will apply current research from each of these approache psychology, the hedonic sub-dimensions of nutrition and developmental, cognitive, psychological and ph selection 1: Developmental model, Theoretical model in food selection 2: Cognitive model. Theoretical m	ors. Students is to better u ysiological m nodel in food	will use ponderstand nodels. Me selection	AE sychologica their own tabolic effe 3: Psycholo	behavior. The relation ects of psychological gical model, Theoret	I and social the enship between situation, Theo cical model in fo	ories to investigate nutrition and retical model in food ood selection 4:
Course	This course will examine attitudes, behaviors, and practices surrounding food choices and eating behavior these fundamental human behaviors. Students will apply current research from each of these approache psychology, the hedonic sub-dimensions of nutrition and developmental, cognitive, psychological and ph selection 1: Developmental model, Theoretical model in food selection 2: Cognitive model. Theoretical m	ors. Students is to better u ysiological m nodel in food	will use ponderstand nodels. Me selection	AE sychologica their own tabolic effe 3: Psycholo	behavior. The relation ects of psychological gical model, Theoret	I and social the enship between situation, Theo cical model in fo	ories to investigate nutrition and retical model in food ood selection 4:
Course ontent	This course will examine attitudes, behaviors, and practices surrounding food choices and eating behavior these fundamental human behaviors. Students will apply current research from each of these approache psychology, the hedonic sub-dimensions of nutrition and developmental, cognitive, psychological and ph selection 1: Developmental model, Theoretical model in food selection 2: Cognitive model. Theoretical m	ors. Students is to better u ysiological m nodel in food	will use ponderstand nodels. Me selection	AE sychologica their own tabolic effe 3: Psycholo	behavior. The relation ects of psychological gical model, Theoret	and social the enship between situation, Theo ical model in fo pproaches to e	ories to investigate nutrition and retical model in food ood selection 4:
Course ontent	This course will examine attitudes, behaviors, and practices surrounding food choices and eating behavior these fundamental human behaviors. Students will apply current research from each of these approache psychology, the hedonic sub-dimensions of nutrition and developmental, cognitive, psychological and ph selection 1: Developmental model, Theoretical model in food selection 2: Cognitive model. Theoretical m Physiological model, Appetite regulation: hunger-satiety mechanism, Bio-circadian nutrition, Emotional nutrition, Emotional nutrition, Students, and the second selection of the second selectio	ors. Students as to better u ysiological m todel in food netabolism, u (2,0,0)2 culation of er	will use production of the selection mood and	AE sychologica their own tabolic effe 3: Psycholo food cravin	behavior. The relation that relation the relation to the relation that relation that relation that relation the relation that relation the relation that relation that relation that relation the relation that relation that relation the relation	and social the social the social the social the social model in for a pproaches to e security and the social model in for a pproaches to e security and the social model in for a security and the social three security and three security a	ories to investigate nutrition and retical model in food ood selection 4: ating disorders. English isease-specific
Course ontent	This course will examine attitudes, behaviors, and practices surrounding food choices and eating behavior these fundamental human behaviors. Students will apply current research from each of these approache psychology, the hedonic sub-dimensions of nutrition and developmental, cognitive, psychological and phaselection 1: Developmental model, Theoretical model in food selection 2: Cognitive model. Theoretical methysiological model, Appetite regulation: hunger-satiety mechanism, Bio-circadian nutrition, Emotional nutrition, Emotional nutrition, State of the second support of the second sup	ors. Students is to better u ysiological m iodel in food netabolism, i (2,0,0)2 culation of er duction of net	will use production of the selection mood and description of the selection mood and description of the selection of the selection mood and description of the selection of the s	AE sychologica their own tabolic effe 3: Psycholo food cravin AE nutrient rec upport, Ma	behavior. The relatic cts of psychological gical model, Theoret g triangle, Current a g triangle, current a quirements, case pre lnutrition, determin	and social the onship between situation, Theo circal model in for pproaches to e	ories to investigate nutrition and retical model in food ood selection 4: ating disorders. English isease-specific onal assessment at
Course ontent	This course will examine attitudes, behaviors, and practices surrounding food choices and eating behavior these fundamental human behaviors. Students will apply current research from each of these approache psychology, the hedonic sub-dimensions of nutrition and developmental, cognitive, psychological and ph selection 1: Developmental model, Theoretical model in food selection 2: Cognitive model. Theoretical m Physiological model, Appetite regulation: hunger-satiety mechanism, Bio-circadian nutrition, Emotional nutrition support at Home Care Service Nutritional status assessment methods, support for enteral and parenteral nutrition and monitoring, call nutritional support, case follow-up and practical applications. Description of home care service and Intronome care service, Methods of nutrition support(enteral and parenteral nutrition) at home care service, complications, indications, contraindication, Home parenteral Nutrition (Central Venous/methods/periph	vrs. Students s to better u ysiological model in food netabolism, u (2,0,0)2 culation of endution of model model in food netabolism, u (2,0,0)2 culation of endution of model	will use production will use production and and and and and artificial selection and artificial selection and artificial selection and artificial selections and artificial selections are selected as a selection and artificial selections are selected as a selection and artificial selection and artificial selections are selected as a selection and artificial selection and artificial selection are selected as a selection are selected as a selection and artificial selection are selected as a sel	AE sychologica their own tabolic effe 3: Psycholo food cravin AE nutrient rec upport, Ma nasogastric cion in hom	behavior. The relatic tcts of psychological gical model, Theoret g triangle, Current a quirements, case pre lnutrition, determin t tube, PEG,PEJ etc.), e care, Nutritional N	and social the social the social the social the social model in for a pproaches to e sentation for dation of nutritic Home enteral lonitoring for control to the social through through the social through	ories to investigate nutrition and retical model in foot ood selection 4: ating disorders. English isease-specific onal assessment at nutrition,
Course ontent	This course will examine attitudes, behaviors, and practices surrounding food choices and eating behavior these fundamental human behaviors. Students will apply current research from each of these approache psychology, the hedonic sub-dimensions of nutrition and developmental, cognitive, psychological and phaselection 1: Developmental model, Theoretical model in food selection 2: Cognitive model. Theoretical model physiological model, Appetite regulation: hunger-satiety mechanism, Bio-circadian nutrition, Emotional nutrition and particular model. Theoretical model in the state of the	vrs. Students s to better u ysiological model in food netabolism, u (2,0,0)2 culation of endution of model model in food netabolism, u (2,0,0)2 culation of endution of model	will use production will use production and and and and and artificial selection and artificial selection and artificial selection and artificial selections and artificial selections are selected as a selection and artificial selections are selected as a selection and artificial selection and artificial selections are selected as a selection and artificial selection and artificial selection are selected as a selection are selected as a selection and artificial selection are selected as a sel	AE sychologica their own tabolic effe 3: Psycholo food cravin AE nutrient rec upport, Ma nasogastric cion in hom	behavior. The relatic tcts of psychological gical model, Theoret g triangle, Current a quirements, case pre lnutrition, determin t tube, PEG,PEJ etc.), e care, Nutritional N	and social the social the social the social the social model in for a pproaches to e sentation for dation of nutritic Home enteral lonitoring for control to the social through through the social through	ories to investigate nutrition and retical model in foot ood selection 4: ating disorders. English iisease-specific onal assessment at nutrition,
Course ontent	This course will examine attitudes, behaviors, and practices surrounding food choices and eating behavior these fundamental human behaviors. Students will apply current research from each of these approache psychology, the hedonic sub-dimensions of nutrition and developmental, cognitive, psychological and ph selection 1: Developmental model, Theoretical model in food selection 2: Cognitive model. Theoretical m Physiological model, Appetite regulation: hunger-satiety mechanism, Bio-circadian nutrition, Emotional nutrition support at Home Care Service Nutritional status assessment methods, support for enteral and parenteral nutrition and monitoring, call nutritional support, case follow-up and practical applications. Description of home care service and Intronome care service, Methods of nutrition support(enteral and parenteral nutrition) at home care service, complications, indications, contraindication, Home parenteral Nutrition (Central Venous/methods/periph	vrs. Students s to better u ysiological model in food netabolism, u (2,0,0)2 culation of endution of model model in food netabolism, u (2,0,0)2 culation of endution of model	will use production will use production and and and and and artificial selection and artificial selection and artificial selection and artificial selections and artificial selections are selected as a selection and artificial selections are selected as a selection and artificial selection and artificial selections are selected as a selection and artificial selection and artificial selection are selected as a selection are selected as a selection and artificial selection are selected as a sel	AE sychologica their own tabolic effe 3: Psycholo food cravin AE nutrient rec upport, Ma nasogastric cion in hom	behavior. The relatic tcts of psychological gical model, Theoret g triangle, Current a quirements, case pre lnutrition, determin t tube, PEG,PEJ etc.), e care, Nutritional N	and social the social the social the social the social model in for a pproaches to e sentation for dation of nutritic Home enteral lonitoring for control to the social through through the social through	ories to investigate nutrition and retical model in foot ood selection 4: ating disorders. English iisease-specific onal assessment at nutrition,
Course OTD358 Course	This course will examine attitudes, behaviors, and practices surrounding food choices and eating behavior these fundamental human behaviors. Students will apply current research from each of these approache psychology, the hedonic sub-dimensions of nutrition and developmental, cognitive, psychological and ph selection 1: Developmental model, Theoretical model in food selection 2: Cognitive model. Theoretical m Physiological model, Appetite regulation: hunger-satiety mechanism, Bio-circadian nutrition, Emotional nutrition support at Home Care Service Nutritional status assessment methods, support for enteral and parenteral nutrition and monitoring, call nutritional support, case follow-up and practical applications. Description of home care service and Intronome care service, Methods of nutrition support(enteral and parenteral nutrition) at home care service, complications, indications, contraindication, Home parenteral Nutrition (Central Venous/methods/periph	vrs. Students s to better u ysiological model in food netabolism, u (2,0,0)2 culation of endution of model model in food netabolism, u (2,0,0)2 culation of endution of model	will use production will use production and and and and and artificial selection and artificial selection and artificial selection and artificial selections and artificial selections are selected as a selection and artificial selections are selected as a selection and artificial selection and artificial selections are selected as a selection and artificial selection and artificial selection are selected as a selection are selected as a selection and artificial selection are selected as a sel	AE sychologica their own tabolic effe 3: Psycholo food cravin AE nutrient rec upport, Ma nasogastric cion in hom	behavior. The relatic tcts of psychological gical model, Theoret g triangle, Current a quirements, case pre lnutrition, determin t tube, PEG,PEJ etc.), e care, Nutritional N	and social the social the social the social the social model in for a pproaches to e sentation for dation of nutritic Home enteral lonitoring for control to the social through through the social through	ories to investigate nutrition and retical model in foot ood selection 4: ating disorders. English iisease-specific onal assessment at nutrition,
Course OTD358 Course	This course will examine attitudes, behaviors, and practices surrounding food choices and eating behavior these fundamental human behaviors. Students will apply current research from each of these approache psychology, the hedonic sub-dimensions of nutrition and developmental, cognitive, psychological and ph selection 1: Developmental model, Theoretical model in food selection 2: Cognitive model. Theoretical m Physiological model, Appetite regulation: hunger-satiety mechanism, Bio-circadian nutrition, Emotional nutrition support at Home Care Service Nutritional status assessment methods, support for enteral and parenteral nutrition and monitoring, call nutritional support, case follow-up and practical applications. Description of home care service and Intronome care service, Methods of nutrition support(enteral and parenteral nutrition) at home care service, complications, indications, contraindication, Home parenteral Nutrition (Central Venous/methods/periph	vrs. Students s to better u ysiological model in food netabolism, u (2,0,0)2 culation of endution of model model in food netabolism, u (2,0,0)2 culation of endution of model	will use production will use production and and and and and artificial selection and artificial selection and artificial selection and artificial selections and artificial selections are selected as a selection and artificial selections are selected as a selection and artificial selection and artificial selections are selected as a selection and artificial selection and artificial selection are selected as a selection are selected as a selection and artificial selection are selected as a sel	AE sychologica their own tabolic effe 3: Psycholo food cravin AE nutrient rec upport, Ma nasogastric cion in hom	behavior. The relatic tcts of psychological gical model, Theoret g triangle, Current a quirements, case pre lnutrition, determin t tube, PEG,PEJ etc.), e care, Nutritional N	and social the social the social the social the social model in for a pproaches to e sentation for dation of nutritic Home enteral lonitoring for control to the social through through the social through	ories to investigate nutrition and retical model in foot ood selection 4: ating disorders. English isease-specific onal assessment at nutrition,
Course OTD358 Course	This course will examine attitudes, behaviors, and practices surrounding food choices and eating behavior these fundamental human behaviors. Students will apply current research from each of these approache psychology, the hedonic sub-dimensions of nutrition and developmental, cognitive, psychological and ph selection 1: Developmental model, Theoretical model in food selection 2: Cognitive model. Theoretical m Physiological model, Appetite regulation: hunger-satiety mechanism, Bio-circadian nutrition, Emotional nutrition support at Home Care Service Nutritional status assessment methods, support for enteral and parenteral nutrition and monitoring, call nutritional support, case follow-up and practical applications. Description of home care service and Intronome care service, Methods of nutrition support(enteral and parenteral nutrition) at home care service, complications, indications, contraindication, Home parenteral Nutrition (Central Venous/methods/periph	vrs. Students s to better u ysiological model in food netabolism, u (2,0,0)2 culation of endution of model model in food netabolism, u (2,0,0)2 culation of endution of model	will use production will use production and and and and and artificial selection and artificial selection and artificial selection and artificial selections and artificial selections are selected as a selection and artificial selections are selected as a selection and artificial selection and artificial selections are selected as a selection and artificial selection and artificial selection are selected as a selection are selected as a selection and artificial selection are selected as a sel	AE sychologica their own tabolic effe 3: Psycholo food cravin AE nutrient rec upport, Ma nasogastric cion in hom	behavior. The relatic tcts of psychological gical model, Theoret g triangle, Current a quirements, case pre lnutrition, determin t tube, PEG,PEJ etc.), e care, Nutritional N	and social the social the social the social the social model in for a pproaches to e sentation for dation of nutritic Home enteral lonitoring for control to the social through through the social through	ories to investigate nutrition and retical model in foot ood selection 4: ating disorders. English isease-specific onal assessment at nutrition,
DTD358	This course will examine attitudes, behaviors, and practices surrounding food choices and eating behavior these fundamental human behaviors. Students will apply current research from each of these approache psychology, the hedonic sub-dimensions of nutrition and developmental, cognitive, psychological and ph selection 1: Developmental model, Theoretical model in food selection 2: Cognitive model. Theoretical m Physiological model, Appetite regulation: hunger-satiety mechanism, Bio-circadian nutrition, Emotional nutrition support at Home Care Service Nutritional status assessment methods, support for enteral and parenteral nutrition and monitoring, call nutritional support, case follow-up and practical applications. Description of home care service and Intronome care service, Methods of nutrition support(enteral and parenteral nutrition) at home care service, complications, indications, contraindication, Home parenteral Nutrition (Central Venous/methods/periph	vrs. Students s to better u ysiological model in food netabolism, u (2,0,0)2 culation of endution of model model in food netabolism, u (2,0,0)2 culation of endution of model	will use production will use production and and and and and artificial selection and artificial selection and artificial selection and artificial selections and artificial selections are selected as a selection and artificial selections are selected as a selection and artificial selection and artificial selections are selected as a selection and artificial selection and artificial selection are selected as a selection are selected as a selection and artificial selection are selected as a sel	AE sychologica their own tabolic effe 3: Psycholo food cravin AE nutrient rec upport, Ma nasogastric cion in hom	behavior. The relatic tcts of psychological gical model, Theoret g triangle, Current a quirements, case pre lnutrition, determin t tube, PEG,PEJ etc.), e care, Nutritional N	and social the inship between situation, Theo circal model in for pproaches to e sentation for d ation of nutritic Home enteral lonitoring for c ition.	ories to investigate nutrition and retical model in foot ood selection 4: ating disorders. English isease-specific onal assessment at nutrition,
Course OTD358 Course	This course will examine attitudes, behaviors, and practices surrounding food choices and eating behavior these fundamental human behaviors. Students will apply current research from each of these approache psychology, the hedonic sub-dimensions of nutrition and developmental, cognitive, psychological and pheselection 1: Developmental model, Theoretical model in food selection 2: Cognitive model. Theoretical model physiological model, Appetite regulation: hunger-satiety mechanism, Bio-circadian nutrition, Emotional in Physiological model, Appetite regulation: hunger-satiety mechanism, Bio-circadian nutrition, Emotional in Nutritional status assessment methods, support for enteral and parenteral nutrition and monitoring, calcularitional support, case follow-up and practical applications. Description of home care service and Introhome care service, Methods of nutrition support(enteral and parenteral nutrition) at home care service, complications, indications, contraindication, Home parenteral Nutrition (Central Venous/methods/peript parenteral formulas in home care, Importance of nutritional support team, the role of the dietitian, multi-nutritional supports are not provided in the parenteral nutrition of the dietitian of the die	vs. Students s to better u ysiological model in food metabolism, i vicinitation of enduction of	will use p: nderstand lodels. Me selection mood and 4 hergy and utritional sal feedinglion educatapproach	AE sychologica their own tabolic effe 3: Psycholo food cravir AE nutrient rec upport, Ma nasogastric ion in hom n home en	behavior. The relation cuts of psychological gical model, Theoret gical model, Theoret gical model, Current a guirements, case pre illutrition, determination, determination, PEG,PEI etc.), e care, Nutritional Nuteral parenteral nutritions and parenteral nutritions.	and social the situation, Theo circle model in for pproaches to e essentation for dation of nutritic Home enteral lonitoring for crition.	enutrition and retical model in foot ood selection 4: ating disorders. English iisease-specific onal assessment at nutrition, are homes, Enteral-
DTD358 Course	This course will examine attitudes, behaviors, and practices surrounding food choices and eating behavior these fundamental human behaviors. Students will apply current research from each of these approache psychology, the hedonic sub-dimensions of nutrition and developmental, cognitive, psychological and phe selection 1: Developmental model, Theoretical model in food selection 2: Cognitive model. Theoretical model in food selection 3: Cognitive model. Theoretical model in food selection 3: Cognitive model. Theoretical model in food selection 3: Cognitive model in food selection 3: Cognitive model. Theoretical model in food selection 3: Cognitive model and selection 3: Cognitive selection 3: Cognitive	vs. Students s to better u ysiological model in food netabolism, u (2,0,0)2 (2,0,0)2 (2,0,0)2 (2,0,0)2 (2,0,0)2 (2,0,0)2 (2,0,0)2 (2,0,0)2 (2,0,0)2 (2,0,0)2 (3,0,0)2 (4,0,0)2 (5,0,0)2 (5,0,0)2 (5,0,0)2 (6,0,0)2	will use p: nderstand todels. Metabolic selection mood and heregy and utritional sal feeding ion educatapproach	AE sychologica their own tabolic effe 3: Psycholo food cravin AE nutrient rec upport, Ma nasogastric ion in home n home en	behavior. The relation to the telephanic state of psychological gical model, Theoret getriangle, Current a quirements, case pre linutrition, determination, determination, determination, PEG,PEI etc.), e care, Nutritional Nateral parenteral nutritions and psychological psychol	and social the social the social the social the social the social model in for pproaches to e sentation for dation of nutritic Home enteral lonitoring for continuous.	English English Ill provide an occess and dynamics
DTD358 Course	This course will examine attitudes, behaviors, and practices surrounding food choices and eating behavior these fundamental human behaviors. Students will apply current research from each of these approache psychology, the hedonic sub-dimensions of nutrition and developmental, cognitive, psychological and pheselection 1: Developmental model, Theoretical model in food selection 2: Cognitive model. Theoretical model physiological model, Appetite regulation: hunger-satiety mechanism, Bio-circadian nutrition, Emotional in Physiological model, Appetite regulation: hunger-satiety mechanism, Bio-circadian nutrition, Emotional in Nutritional status assessment methods, support for enteral and parenteral nutrition and monitoring, calcularitional support, case follow-up and practical applications. Description of home care service and Introhome care service, Methods of nutrition support(enteral and parenteral nutrition) at home care service, complications, indications, contraindication, Home parenteral Nutrition (Central Venous/methods/peript parenteral formulas in home care, Importance of nutritional support team, the role of the dietitian, multi-nutritional supports are not provided in the parenteral nutrition of the dietitian of the die	(2,0,0)2 (2,0,0)2 (2,0,0)2 (2,0,0)2 (2,0,0)3 (2,0,0)2 (2,0,0)3 (2,0,0)3 (2,0,0)4 (2,0,0)5 (2,0,0)5 (2,0,0)6 (2,0,0)7 (2,0,0)8 (2,0,0)8 (2,0,0)9 (2,0,0	will use p: nderstand lodels. Metas selection mood and description of the mood of the	AE sychologica their own tabolic effe 3: Psycholo food cravir AE nutrient rec upport, Ma nasogastric cion in hom n home en AE ow-up in di nutrition ar nse initiativ	behavior. The relation to the	and social the substitution, Theo situation, Theo sical model in for pproaches to experience of the substitution of the substi	English Illi provide an occess and dynamics to investigate in utrition and retical model in foot ood selection 4: ating disorders. English Ilisease-specific onal assessment at nutrition, are homes, Enteral-limited in the control of the control o
DTD358 DTD359	This course will examine attitudes, behaviors, and practices surrounding food choices and eating behavior these fundamental human behaviors. Students will apply current research from each of these approache psychology, the hedonic sub-dimensions of nutrition and developmental, cognitive, psychological and ph selection 1: Developmental model, Theoretical model in food selection 2: Cognitive model. Theoretical m Physiological model, Appetite regulation: hunger-satiety mechanism, Bio-circadian nutrition, Emotional nutritional status assessment methods, support for enteral and parenteral nutrition and monitoring, calc nutritional support, case follow-up and practical applications. Description of home care service and Introduce care service, Methods of nutrition support(enteral and parenteral nutrition) at home care service, complications, indications, contraindication, Home parenteral Nutrition (Central Venous/methods/peript parenteral formulas in home care, Importance of nutritional support team, the role of the dietitian, multiparenteral formulas in home care, Importance of nutritional support team, the role of the dietitian, multiparenteral formulas in the provided an overview of nutrition during humanitarian emergencies. Nutrition strategic understanding of; the nutritional outcomes of emergencies (malnutrition, morbidity and mortality); and of an emergency). The course will also develop a broader range of management skills needed in relation	vs. Students s to better u ysiological model in food netabolism, u (2,0,0)2 (2,0,0)2 (2,0,0)2 (2,0,0)2 (2,0,0)2 (2,0,0)2 (2,0,0)2 (2,0,0)2 (2,0,0)2 (2,0,0)2 (2,0,0)2 (2,0,0)2 (2,0,0)2 (2,0,0)3	will use p: nderstand lodels. Metas selection mood and description of the mood of the	AE sychologica their own tabolic effe 3: Psycholo food cravir AE nutrient rec upport, Ma nasogastric cion in hom n home en AE ow-up in di nutrition ar nse initiativ	behavior. The relation to the	and social the substitution, Theo situation, Theo sical model in for pproaches to experience of the substitution of the substi	English Illi provide an occess and dynamics to investigate in utrition and retical model in foot ood selection 4: ating disorders. English Ilisease-specific onal assessment at nutrition, are homes, Enteral-limited in the control of the control o
DTD358 Course ontent	This course will examine attitudes, behaviors, and practices surrounding food choices and eating behavior these fundamental human behaviors. Students will apply current research from each of these approache psychology, the hedonic sub-dimensions of nutrition and developmental, cognitive, psychological and pselection 1: Developmental model, Theoretical model in food selection 2: Cognitive model. Theoretical m Physiological model, Appetite regulation: hunger-satiety mechanism, Bio-circadian nutrition, Emotional nutritional status assessment methods, support for enteral and parenteral nutrition and monitoring, calc nutritional support, case follow-up and practical applications. Description of home care service and Intro home care service, Methods of nutrition support(enteral and parenteral nutrition) at home care service, complications, indications, contraindication, Home parenteral Nutrition (Central Venous/methods/peript parenteral formulas in home care, Importance of nutritional support team, the role of the dietitian, multi-nutritional supports aims to provide an overview of nutrition during humanitarian emergencies. Nutrition strategi understanding of; the nutritional outcomes of emergencies (malnutrition, morbidity and mortality); and of an emergency). The course will also develop a broader range of management skills needed in relation protein deficiency in disaster, Micronutrient deficiency in disaster, Nutrient enrichment in disaster, Risk g	vs. Students s to better u ysiological model in food netabolism, u (2,0,0)2 (2,0,0)2 (2,0,0)2 (2,0,0)2 (2,0,0)2 (2,0,0)2 (2,0,0)2 (2,0,0)2 (2,0,0)2 (2,0,0)2 (2,0,0)2 (2,0,0)2 (2,0,0)2 (2,0,0)3	will use p: nderstand lodels. Metas selection mood and description of the mood of the	AE sychologica their own tabolic effe 3: Psycholo food cravir AE nutrient rec upport, Ma nasogastric cion in hom n home en AE ow-up in di nutrition ar nse initiativ	behavior. The relation to the	and social the substitution, Theo situation, Theo sical model in for pproaches to experience of the substitution of the substi	English Illi provide an occess and dynamics to investigate in utrition and retical model in foot ood selection 4: ating disorders. English Ilisease-specific onal assessment at nutrition, are homes, Enteral-limited in the control of the control o
DTD358 DTD358 DTD359	This course will examine attitudes, behaviors, and practices surrounding food choices and eating behavior these fundamental human behaviors. Students will apply current research from each of these approache psychology, the hedonic sub-dimensions of nutrition and developmental, cognitive, psychological and pselection 1: Developmental model, Theoretical model in food selection 2: Cognitive model. Theoretical m Physiological model, Appetite regulation: hunger-satiety mechanism, Bio-circadian nutrition, Emotional nutritional status assessment methods, support for enteral and parenteral nutrition and monitoring, calc nutritional support, case follow-up and practical applications. Description of home care service and Intro home care service, Methods of nutrition support(enteral and parenteral nutrition) at home care service, complications, indications, contraindication, Home parenteral Nutrition (Central Venous/methods/peript parenteral formulas in home care, Importance of nutritional support team, the role of the dietitian, multi-nutritional supports aims to provide an overview of nutrition during humanitarian emergencies. Nutrition strategi understanding of; the nutritional outcomes of emergencies (malnutrition, morbidity and mortality); and of an emergency). The course will also develop a broader range of management skills needed in relation protein deficiency in disaster, Micronutrient deficiency in disaster, Nutrient enrichment in disaster, Risk g	vs. Students s to better u ysiological model in food netabolism, u (2,0,0)2 (2,0,0)2 (2,0,0)2 (2,0,0)2 (2,0,0)2 (2,0,0)2 (2,0,0)2 (2,0,0)2 (2,0,0)2 (2,0,0)2 (2,0,0)2 (2,0,0)2 (2,0,0)2 (2,0,0)3	will use p: nderstand lodels. Metas selection mood and description of the mood of the	AE sychologica their own tabolic effe 3: Psycholo food cravir AE nutrient rec upport, Ma nasogastric cion in hom n home en AE ow-up in di nutrition ar nse initiativ	behavior. The relation to the	and social the substitution, Theo situation, Theo sical model in for pproaches to experience of the substitution of the substi	english English Ill provide an occess and dynamics ill provide an occess and dynamics in not considered and cocess and dynamics disaster, Energy and
DTD358 DTD358 OUTSE OUTSE OUTSE OUTSE OUTSE OUTSE	This course will examine attitudes, behaviors, and practices surrounding food choices and eating behavior these fundamental human behaviors. Students will apply current research from each of these approache psychology, the hedonic sub-dimensions of nutrition and developmental, cognitive, psychological and pselection 1: Developmental model, Theoretical model in food selection 2: Cognitive model. Theoretical m Physiological model, Appetite regulation: hunger-satiety mechanism, Bio-circadian nutrition, Emotional nutritional status assessment methods, support for enteral and parenteral nutrition and monitoring, calc nutritional support, case follow-up and practical applications. Description of home care service and Intro home care service, Methods of nutrition support(enteral and parenteral nutrition) at home care service, complications, indications, contraindication, Home parenteral Nutrition (Central Venous/methods/peript parenteral formulas in home care, Importance of nutritional support team, the role of the dietitian, multi-nutritional supports aims to provide an overview of nutrition during humanitarian emergencies. Nutrition strategi understanding of; the nutritional outcomes of emergencies (malnutrition, morbidity and mortality); and of an emergency). The course will also develop a broader range of management skills needed in relation protein deficiency in disaster, Micronutrient deficiency in disaster, Nutrient enrichment in disaster, Risk g	vs. Students s to better u ysiological model in food netabolism, u (2,0,0)2 (2,0,0)2 (2,0,0)2 (2,0,0)2 (2,0,0)2 (2,0,0)2 (2,0,0)2 (2,0,0)2 (2,0,0)2 (2,0,0)2 (2,0,0)2 (2,0,0)2 (2,0,0)2 (2,0,0)3	will use p: nderstand lodels. Metas selection mood and description of the mood of the	AE sychologica their own tabolic effe 3: Psycholo food cravir AE nutrient rec upport, Ma nasogastric cion in hom n home en AE ow-up in di nutrition ar nse initiativ	behavior. The relation to the	and social the substitution, Theo situation, Theo sical model in for pproaches to experience of the substitution of the substi	English Illi provide an occess and dynamics to investigate in utrition and retical model in foot ood selection 4: ating disorders. English Ilisease-specific onal assessment at nutrition, are homes, Enteral-limited in the control of the control o
DTD358 DTD358 OUTSE OUTSE OUTSE OUTSE OUTSE OUTSE	This course will examine attitudes, behaviors, and practices surrounding food choices and eating behavior these fundamental human behaviors. Students will apply current research from each of these approache psychology, the hedonic sub-dimensions of nutrition and developmental, cognitive, psychological and pselection 1: Developmental model, Theoretical model in food selection 2: Cognitive model. Theoretical m Physiological model, Appetite regulation: hunger-satiety mechanism, Bio-circadian nutrition, Emotional nutritional status assessment methods, support for enteral and parenteral nutrition and monitoring, calc nutritional support, case follow-up and practical applications. Description of home care service and Intro home care service, Methods of nutrition support(enteral and parenteral nutrition) at home care service, complications, indications, contraindication, Home parenteral Nutrition (Central Venous/methods/peript parenteral formulas in home care, Importance of nutritional support team, the role of the dietitian, multi-nutritional supports aims to provide an overview of nutrition during humanitarian emergencies. Nutrition strategi understanding of; the nutritional outcomes of emergencies (malnutrition, morbidity and mortality); and of an emergency). The course will also develop a broader range of management skills needed in relation protein deficiency in disaster, Micronutrient deficiency in disaster, Nutrient enrichment in disaster, Risk g	vs. Students s to better u ysiological model in food netabolism, u detabolism, u detab	will use p: nderstand lodels. Metas selection mood and description of the mood of the	AE sychologica their own tabolic effe 3: Psycholo food cravir AE nutrient rec upport, Ma nasogastric cion in hom n home en AE ow-up in di nutrition ar nse initiativ	behavior. The relation to the	and social the substitution, Theo situation, Theo sical model in for pproaches to experience of the substitution of the substi	English Illi provide an occess and dynamics to investigate in utrition and retical model in foot ood selection 4: ating disorders. English Ilisease-specific onal assessment at nutrition, are homes, Enteral-limited in the control of the control o
DTD358 Course content DTD359	This course will examine attitudes, behaviors, and practices surrounding food choices and eating behavior these fundamental human behaviors. Students will apply current research from each of these approache psychology, the hedonic sub-dimensions of nutrition and developmental, cognitive, psychological and pselection 1: Developmental model, Theoretical model in food selection 2: Cognitive model. Theoretical m Physiological model, Appetite regulation: hunger-satiety mechanism, Bio-circadian nutrition, Emotional nutritional status assessment methods, support for enteral and parenteral nutrition and monitoring, calc nutritional support, case follow-up and practical applications. Description of home care service and Intro home care service, Methods of nutrition support(enteral and parenteral nutrition) at home care service, complications, indications, contraindication, Home parenteral Nutrition (Central Venous/methods/peript parenteral formulas in home care, Importance of nutritional support team, the role of the dietitian, multi-nutritional supports aims to provide an overview of nutrition during humanitarian emergencies. Nutrition strategi understanding of; the nutritional outcomes of emergencies (malnutrition, morbidity and mortality); and of an emergency). The course will also develop a broader range of management skills needed in relation protein deficiency in disaster, Micronutrient deficiency in disaster, Nutrient enrichment in disaster, Risk g	(2,0,0)2 (2,0,0)2 (2,0,0)2 (2,0,0)2 (2,0,0)2 (2,0,0)2 (2,0,0)2 (2,0,0)3 (2,0,0)4 (2,0,0)5 (2,0,0)6 (2,0,0)7 (2,0,0)7 (2,0,0)8 (2,0,0)8 (2,0,0)9 (2,0,0	will use p: nderstand lodels. Metas selection mood and description of the mood of the	AE sychologica their own tabolic effe 3: Psycholo food cravin AE nutrient rec upport, Ma nasogastric ion in home n home en AE ow-up in di nutrition ar nse initiativ disaster, N	behavior. The relation to the	and social the situation, Theo situation, Theo sical model in for pproaches to e essentation for dation of nutritic Home enteral lonitoring for crition.	English Illi provide an occess and dynamics to investigate in utrition and retical model in foot ood selection 4: ating disorders. English Ilisease-specific onal assessment at nutrition, are homes, Enteral-limited in the control of the control o
DTD358 Course	This course will examine attitudes, behaviors, and practices surrounding food choices and eating behavior these fundamental human behaviors. Students will apply current research from each of these approache psychology, the hedonic sub-dimensions of nutrition and developmental, cognitive, psychological and pheselection 1: Developmental model, Theoretical model in food selection 2: Cognitive model. Theoretical model in food selection 2: Cognitive model. Theoretical model in food selection 3: Cognitive model. Appetite regulation: hunger-satiety mechanism, Bio-circadian nutrition, Emotional nutritional support, case follow-up and practical applications. Description of home care service and Introhome care service, Methods of nutrition support (enteral and parenteral nutrition) at home care service, complications, indications, contraindication, Home parenteral Nutrition (Central Venous/methods/periph parenteral formulas in home care, Importance of nutritional support team, the role of the dietitian, multi-parenteral formulas in home care, Importance of nutritional support team, the role of the dietitian, multi-parenteral formulas in home care, Importance of nutritional support team, the role of the dietitian, multi-parenteral formulas in home care, Importance of nutritional support team, the role of the dietitian, multi-parenteral formulas in home care, Importance of nutritional support team, the role of the dietitian, multi-parenteral formulas in home care, Importance of nutritional support team, the role of the dietitian, multi-parenteral formulas in home care, Importance of nutritional support team, the role of the dietitian, multi-parenteral formulas in home care, Importance of nutritional support team, the role of the dietitian, multi-parenteral formulas in home care, Importance of nutrition during humanitarian emergencies. Nutrition strategi understanding of; the nutritional outcomes of emergencies (malnutrition, morbidity and mortality); and of an emergency). The course will also develop a broader range of man	(2,0,0)2 (2,0,0)2 (2,0,0)2 (2,0,0)2 (2,0,0)2 (2,0,0)2 (2,0,0)2 (2,0,0)2 (2,0,0)2	will use p: nderstand to dels. Me selection mood and dela dela dela dela dela dela dela del	AE sychologica their own tabolic effe 3: Psycholo food cravin AE nutrient rec upport, Ma nasogastri citon in hom n home en AE ow-up in di nutrition ar nse initiativ disaster, N	behavior. The relation to the control of the contro	and social the substitution, Theo situation, Theo sical model in for pproaches to experience attion of nutritic Home enteral lonitoring for crition.	English English English Il provide an obessared and dynamics disasters, Nutrition in force and issaters, Nutrition in force and issaters, Nutrition in English
DTD358 DTD359 DTD360	This course will examine attitudes, behaviors, and practices surrounding food choices and eating behavior these fundamental human behaviors. Students will apply current research from each of these approache psychology, the hedonic sub-dimensions of nutrition and developmental, cognitive, psychological and phe selection 1: Developmental model, Theoretical model in food selection 2: Cognitive model. Theoretical model in food selection 2: Cognitive model in food s	(2,0,0)2 (2,0,0)2 (2,0,0)2 (2,0,0)2 (2,0,0)2 (2,0,0)2 (2,0,0)2 (2,0,0)3 (2,0,0)3 (2,0,0)3 (2,0,0)4 (2,0,0)5 (2,0,0)5 (2,0,0)6 (2,0,0)7 (2,0,0)8 (2,0,0)8 (2,0,0)9 (2,0,0	will use p: nderstand iodels. Me selection mood and 4 hergy and utritional s al feeding ion educat approach 4 hts and foll ses of mal rian respo society in	AE AE nutrient recupport, Manasogastricion in hom n home en AE AE AE AE AE AE AE AE AE A	behavior. The relation to the control of the contro	and social the inship between situation, Theo icial model in fice proaches to expenditude of the icial model in fice proaches to expenditude of nutritical through the icial model. This wigencies (the proof of nutrition in cid children in did children in did children in did cods. This could be in the icial model. This could be included in the icial model in the icial model.	English Ill provide an ocess and dynamics English Ill provide an ocess and dynamics English Ill provide an ocess and dynamics Essaters, Nutrition in English In health against are provides
DTD359 DTD360 DTD360 DCOurse	This course will examine attitudes, behaviors, and practices surrounding food choices and eating behavior these fundamental human behaviors. Students will apply current research from each of these approache psychology, the hedonic sub-dimensions of nutrition and developmental, cognitive, psychological and phe selection 1: Developmental model, Theoretical model in food selection 2: Cognitive model. Theoretical mellongical model, Appetite regulation: hunger-satiety mechanism, Bio-circadian nutrition, Emotional in Physiological model, Appetite regulation: hunger-satiety mechanism, Bio-circadian nutrition, Emotional in Physiological model, Appetite regulation: hunger-satiety mechanism, Bio-circadian nutrition, Emotional in Physiological model, Appetite regulation: hunger-satiety mechanism, Bio-circadian nutrition, Emotional in Physiological model, Appetite regulation: hunger-satiety mechanism, Bio-circadian nutrition, Emotional in Physiological model, Appetite regulations, Support for enteral and parenteral nutrition and monitoring, calc nutritional support, case follow-up and practical applications. Description of home care service, and Introhome care service, Methods of nutrition support(enteral and parenteral nutrition) at home care service, complications, indications, contraindication, Home parenteral Nutrition (Central Venous/methods/periph parenteral formulas in home care, Importance of nutritional support team, the role of the dietitian, multi-nutrition in home care, Importance of nutritional support team, the role of the dietitian, multi-nutrition strategical formulas in home care, Importance of nutritional support team, the role of the dietitian, multi-nutrition strategical formulas in home care, Importance of nutritional purport team, the role of the dietitian, multi-nutrition and volumental strategics in disaster, Nutrition strategical formulas in home care service, or parallel strategical formulas in home care service, or parallel strategical formulas in home care service, or parallel strategical formul	(2,0,0)2 (2,0,0)2 (2,0,0)2 (2,0,0)2 (2,0,0)2 (2,0,0)3 (2,0,0)4 (2,0,0)5 (2,0,0)5 (2,0,0)6 (2,0,0)7 (2,0,0)7 (2,0,0)8 (2,0,0)8 (2,0,0)9 (2,0,0	will use p: nderstand lodels. Me selection mood and degree and lodels. Me selection mood and degree and lodels. Me selection mood and degree and lodels lode	AE sychologica their own their own tabolic effe 3: Psycholo food cravin AE nutrient rec upport, Ma nasogastric cion in home n home en AE ow-up in di nutrition ar nse initiativ disaster, N	behavior. The relation to the course in the protocological gical model, Theoret in the protocological gical model, Theoret in the protocological gical model, Current and the protocological gical model, and the protocological gical gic	and social the ship between situation, Theo circle model in for pproaches to expension of nutritic Home enteral lonitoring for crition.	English Ill provide an occas and dynamics stater, Nutrition in health against urse provides introduction and
DTD358 DTD359 DTD360	This course will examine attitudes, behaviors, and practices surrounding food choices and eating behavior these fundamental human behaviors. Students will apply current research from each of these approache psychology, the hedonic sub-dimensions of nutrition and developmental, cognitive, psychological and phe selection 1: Developmental model, Theoretical model in food selection 2: Cognitive model. Theoretical model in food selection 2: Cognitive model in food s	(2,0,0)2 (2,0,0)2 (2,0,0)2 (2,0,0)2 (2,0,0)2 (2,0,0)3 (2,0,0)4 (2,0,0)5 (2,0,0)5 (2,0,0)6 (2,0,0)7 (2,0,0)7 (2,0,0)8 (2,0,0)8 (2,0,0)9 (2,0,0	will use p: nderstand lodels. Me selection mood and degree and lodels. Me selection mood and degree and lodels. Me selection mood and degree and lodels lode	AE sychologica their own their own tabolic effe 3: Psycholo food cravin AE nutrient rec upport, Ma nasogastric cion in home n home en AE ow-up in di nutrition ar nse initiativ disaster, N	behavior. The relation to the course in the protocological gical model, Theoret in the protocological gical model, Theoret in the protocological gical model, Current and the protocological gical model, and the protocological gical gic	and social the ship between situation, Theo circle model in for pproaches to expension of nutritic Home enteral lonitoring for crition.	English Ill provide an occas and dynamics staters, Nutrition in health against urse provides introduction and
DTD359 DTD360 DTD360 DCOurse	This course will examine attitudes, behaviors, and practices surrounding food choices and eating behavior these fundamental human behaviors. Students will apply current research from each of these approache psychology, the hedonic sub-dimensions of nutrition and developmental, cognitive, psychological and phe selection 1: Developmental model, Theoretical model in food selection 2: Cognitive model. Theoretical model in food selection 2: Cognitive model. Theoretical methysiological model, Appetite regulation: hunger-satiety mechanism, Bio-circadian nutrition, Emotional nutritional status assessment methods, support for enteral and parenteral nutrition and monitoring, calc nutritional support, case follow-up and practical applications. Description of home care service and Introhome care service, Methods of nutrition support(enteral and parenteral nutrition) at home care service, complications, indications, contraindication, Home parenteral Nutrition (Central Venous/methods/peripr parenteral formulas in home care, Importance of nutritional support team, the role of the dietitian, multi-parenteral formulas in home care, Importance of nutritional support team, the role of the dietitian, multi-parenteral formulas in home care, Importance of nutritional support team, the role of the dietitian, multi-parenteral formulas in home care, Importance of nutrition during humanitarian emergencies. Nutrition strategi understanding of; the nutritional outcomes of emergencies (malnutrition, morbidity and mortality); and of an emergency). The course will also develop a broader range of management skills needed in relation protein deficiency in disaster, Micronutrient deficiency in disaster, Nutrient enrichment in disaster, Risk g pregnancy in disasters, Nutrition in elderly in disasters, Food safety in disaster, Infection diseases in disasters, of an emergency in disasters, Nutrition in elderly in disasters, Food safety in disaster, Infection diseases in disaster for course focuses on the functional foods and dietary supplements, a	(2,0,0)2 (2,0,0)2 (2,0,0)2 (2,0,0)2 (2,0,0)2 (2,0,0)3 (2,0,0)4 (2,0,0)5 (2,0,0)5 (2,0,0)6 (2,0,0)7 (2,0,0)7 (2,0,0)8 (2,0,0)8 (2,0,0)9 (2,0,0	will use p: nderstand lodels. Me selection mood and degree and lodels. Me selection mood and degree and lodels. Me selection mood and degree and lodels lode	AE sychologica their own their own tabolic effe 3: Psycholo food cravin AE nutrient rec upport, Ma nasogastric cion in home n home en AE ow-up in di nutrition ar nse initiativ disaster, N	behavior. The relation to the course in the protocological gical model, Theoret in the protocological gical model, Theoret in the protocological gical model, Current and the protocological gical model, and the protocological gical gic	and social the ship between situation, Theo circle model in for pproaches to expension of nutritic Home enteral lonitoring for crition.	English Ill provide an occas and dynamics stater, Nutrition in health against urse provides introduction and
DTD359 DTD360 DTD360 DCOurse	This course will examine attitudes, behaviors, and practices surrounding food choices and eating behavior these fundamental human behaviors. Students will apply current research from each of these approache psychology, the hedonic sub-dimensions of nutrition and developmental, cognitive, psychological and ph selection 1: Developmental model, Theoretical model in food selection 2: Cognitive model. Theoretical model in food selection 2: Cognitive model in food 3: Cogniti	(2,0,0)2 (2,0,0)2 (2,0,0)2 (2,0,0)2 (2,0,0)2 (2,0,0)2 (2,0,0)2 (2,0,0)2 (2,0,0)2 (2,0,0)2 (2,0,0)2 (2,0,0)3 (2,0,0)4 (2,0,0)5 (2,0,0)6 (2,0,0)7 (2,0,0)8 (2,0,0)8 (2,0,0)9 (2,0,0)9 (2,0,0)9 (2,0,0)9 (2,0,0)9 (2,0,0)9 (2,0,0)9 (2,0,0)9 (2,0,0)9 (2,0,0)9 (2,0,0)9 (2,0,0)9 (2,0,0)9 (2,0,0)9 (2,0,0)9 (2,0,0)9	will use p: nderstand odels. Me selection mood and dark mood and mood and dark mo	AE wychologica their own tabolic effe 3: Psycholo food cravir AE nutrient rec upport, Ma nasogastric cion in hom n home en AE ow-up in di nutrition ar nse initiativ disaster, N AE their poten ion and ma natural food udes three	behavior. The relation to the protection of psychological gical model, Theoret git riangle, Current and the psychological gical model, Theoret git riangle, Current and the psychological gical model, and the psychological gical g	and social the inship between situation, Theo icial model in for proaches to expension of nutritic Home enteral lonitoring for crition.	English English Il provide an dynamics pisasters, Nutrition in bealth against urse provides introduction and all foods, functional all foods, functional assessment at nutrition, are homes, Enteral-libert and the second and the second and the second assessment at nutrition, are homes, Enteral-libert and the second and
DTD359 Course content DTD359 Course content	This course will examine attitudes, behaviors, and practices surrounding food choices and eating behavior these fundamental human behaviors. Students will apply current research from each of these approache psychology, the hedonic sub-dimensions of nutrition and developmental, cognitive, psychological and ph selection 1: Developmental model, Theoretical model in food selection 2: Cognitive model. Theoretical and parenteral nutrition and monitoring, calculative models are service, Methods of nutrition support (enteral and parenteral nutrition) at home care service, complications, indications, contraindication, Home parenteral Nutrition (Central Venous/methods/periph parenteral formulas in home care, Importance of nutritional support team, the role of the dietitian, multi formulas in home care, Importance of nutritional support team, the role of the dietitian, multi models and parenteral nutrition, morbidity and mortality); and of an emergency). The course will also develop a broader range of management skills needed in relation or orderion deficiency in disaster, Micronutrient deficiency in disaster, Vinition train deficiency in disaster, Viniti	(2,0,0)2 (2,0,0)2 (2,0,0)2 (2,0,0)2 (2,0,0)2 (2,0,0)2 (2,0,0)2 (2,0,0)3 (2,0,0)3 (2,0,0)4 (2,0,0)5 (2,0,0)6 (2,0,0)6 (2,0,0)7 (2,0,0)8 (2,0,0)8 (2,0,0)9 (2,0,0	will use p: nderstand iodels. Me selection mood and 4 hergy and utritional s al feeding ion educat approach at sand foll ses of mal ritian respo society in 4 tablished he product of many r course incl and this co	AE AE nutrient recupport, Manasogastriction in hom n home en AE AE www.up in di nutrient resupport, Manasogastriction in hom n home en AE their poten ion and manatural foocudes three AE urse emph	behavior. The relation to psychological gical model, Theoret git riangle, Current a guirements, case pre illutrition, determine tube, PEG,PEI etc.), e care, Nutritional Nuteral parenteral nutrition in the protection of the importance guirements are interested in the protection in infants are stated in the protection of the importance guirements. The course include parts, general issue assigned assigned in the protection of	and social the inship between situation, Theo icial model in for proaches to essentation for dation of nutritic Home enteral lonitoring for crition. gement. This wigencies (the proof nutrition in critical did children in did children in did children in did children in did cods. This coues topics on an a with functions are of the nutrition in critical	English Ill provide an uncessignate in utrition and retical model in foot ood selection 4: ating disorders. English Ill provide an uncess and dynamics disaster, Energy and isasters, Nutrition in the lath against urse provides introduction and all foods, functional english onal support team,
OUTSE	This course will examine attitudes, behaviors, and practices surrounding food choices and eating behavior these fundamental human behaviors. Students will apply current research from each of these approache psychology, the hedonic sub-dimensions of nutrition and developmental, cognitive, psychological and ph selection 1: Developmental model, Theoretical model in food selection 2: Cognitive model. Theoretical model in food selection 2: Cognitive model in food 3: Cogniti	(2,0,0)2 (2,0,0)2 (2,0,0)2 (2,0,0)2 (2,0,0)2 (2,0,0)2 (2,0,0)2 (2,0,0)3 (2,0,0)4 (2,0,0)5 (2,0,0)5 (2,0,0)6 (2,0,0)6 (2,0,0)7 (2,0,0)7 (2,0,0)8 (2,0,0)8 (2,0,0)9 (2,0,0	will use p: nderstand iodels. Me selection mood and 4 hergy and utritional s al feeding ion educat approach i 4 tts and fol ses of mal frian respo society in 4 tablished te product of many r course incl 4 and this co	AE sychologica their own tabolic effe 3: Psycholo food cravin AE nutrient rec upport, Ma nasogastric cion in home n home en AE their poten ion and ma natural food udes three	behavior. The relation to the course of psychological gical model, Theoret in triangle, Current and triangle, PEG,PEI etc.), and the care, Nutritional Nuteral parenteral nutritional parenteral nutrition in infants and triangle, currently in the protocological parents and triangle,	and social the substitution, Theo citical model in for pproaches to experience of the substitution of nutrition of nutrition of nutrition. Sement. This wigencies (the proof nutrition in citical model) in the proof nutrition in citical decidence of the nutrition of substitution of nutrition in citical comprehenses with functions with functions as with functions are of the nutritiand comprehenses.	English Ill provide an ocess and dynamics disasters, Nutrition in health against urse provides introduction and all foods, functional support team, usive overview of

NDTD362	OCCUPATIONAL HEALTH AND SAFETY	(2,0,0)2	4	AE		English
	This course covers basic nutrition, clinical nutrition and community nutrition. The course covers pharmacology, immunology and psychiatry. This part also includes supervised practice at a nurs					
Course Content	(children, pregnant women, the elderly, immigrants) and systematic development and evaluation of supervised practice at a children's health clinic and/or wellness clinic with observation of cor	•				
Content	students shall also make an individual topical review based on a topic suggested by the supervi			,		,
NDTD363	PREVENTIVE NUTRITION	(2,0,0)2	4	AE		English
	Definition, characteristics, biological effects of probiotic and prebiotics and relations in health a	and diseases. Definition		otic, prebiot		roperties of probiotic, prebiotic and
Course	synbiotics, Biological effects of probiotic, prebiotic and synbiotics, Probiotic, prebiotic and synb lower digestive system diseases, 8th Week Probiotic, prebiotic and synbiotics related to nervou		-	-		
Content	Probiotic, prebiotic and synbiotics are related to cardiovascular diseases, Probiotic, prebiotic arimmune system.	nd synbiotics related to	cancer, R	elationship	between probiotic	, prebiotic and synbiotics to the
NDTD364	PROBIOTIC, PREBIOTICS AND HEALTH INTERACTIONS This course introduces the student to the procedures, practices and ethical issues of scientific re-	(2,0,0)2	4 research	AE proposal w	ill he introduced a	English s well as methods of reporting and
	disseminating study findings in a comprehensive manner and for particular target audiences Th	is course addresses the	e essentia	ls of studer	nts doing independe	ent research under the supervision of
Course	a faculty. Focus will be on the student following an appropriate design strategy/methodology, on the basis of their original hypothesis and the relevant background and literature available/u					
Content	incorporated and to present and defend their Research Project results and conclusions.					
NDTD365	PROFESSIONAL PROJECTS-I	(2,0,0)2	4	AE		English
	This course introduces the student to the procedures, practices and ethical issues of scientific rudisseminating study findings in a comprehensive manner and for particular target audiences Th	•				· · · · · · · · · · · · · · · · · · ·
	a faculty. Focus will be on the student following an appropriate design strategy/methodology, on the basis of their original hypothesis and the relevant background and literature available/u					
Course	incorporated and to present and defend their Research Project results and conclusions.				.,	
Content						
NDTD366	PROFESSIONAL PROJECTS-II	(2,0,0)2	4	AE		English
	This course introduces the student to the procedures, practices and ethical issues of scientific religions in the student to the procedures, practices and ethical issues of scientific religions in the student to the procedures, practices and ethical issues of scientific religions.			proposal w		
Course	disseminating study findings in a comprehensive manner and for particular target audiences Th a faculty. Focus will be on the student following an appropriate design strategy/methodology, c	collecting and analyzing	g the expe	rimental da	ata, and presenting	and discussing their research results
Content	on the basis of their original hypothesis and the relevant background and literature available/u incorporated and to present and defend their Research Project results and conclusions.	sed. Students are requ	red to wr	ite a forma	l Research Project I	Report where all these are
NDTD367	PSYCHIATRIC DISEASES AND NUTRITION In this course, we will aim to understand how Good Nutrition plays a crucial role in better mana	(2,0,0)2 agement of various diff	erent Mei	AE ntal Disorde	ers. We will also le	English arn about multiple different kinds of
Course	Eating Disorders. The course will cover; Definition of psychiatric diseases and subspecies, relatic classification, Complications of psychiatric diseases and relation with nutrition, Neurodevelopm	onship with nutrition, r	nutritional	therapy m	ethods. Psychiatric	disorders, pathophysiology and
Content	nutrition, Psychotic disorders and nutrition, eating disorders and nutrition, Other psychiatric dis	_		,		,
NDTD368	PUBLIC NUTRITION-I	(2,0,0)2	4	AE	stations usedings	English
NDTD368	The aim of this course is to learn the national and global plans and politics related to public nut range of community-based nutrition research, programs and policies. Public health efforts in co	rition. This intensive co	ourse prov	rides preser many differ	ent types of setting	nd activities related to the broad gs, including community non-profit
NDTD368	The aim of this course is to learn the national and global plans and politics related to public nut	rition. This intensive communities are implemional and sports center	ourse prov nented in r s, councils	rides preser many differ s on aging/s	ent types of setting senior centers, and	nd activities related to the broad gs, including community non-profit emergency feeding sites. Students
NDTD368 Course	The aim of this course is to learn the national and global plans and politics related to public nut range of community-based nutrition research, programs and policies. Public health efforts in coagencies, worksites, health centers, clinics, hospitals, schools, churches, supermarkets, recreati	rition. This intensive communities are implemional and sports center as well as those in whi	ourse prov nented in r s, councils ch nutritio	rides preser many differ s on aging/s	ent types of setting senior centers, and	nd activities related to the broad gs, including community non-profit emergency feeding sites. Students
	The aim of this course is to learn the national and global plans and politics related to public nut range of community-based nutrition research, programs and policies. Public health efforts in coagencies, worksites, health centers, clinics, hospitals, schools, churches, supermarkets, recreati will become familiar with community-based research and programs focused solely on nutrition	rition. This intensive communities are implemional and sports center as well as those in whi	ourse prov nented in r s, councils ch nutritio	rides preser many differ s on aging/s	ent types of setting senior centers, and	nd activities related to the broad gs, including community non-profit emergency feeding sites. Students
Course	The aim of this course is to learn the national and global plans and politics related to public nut range of community-based nutrition research, programs and policies. Public health efforts in coagencies, worksites, health centers, clinics, hospitals, schools, churches, supermarkets, recreati will become familiar with community-based research and programs focused solely on nutrition	rition. This intensive communities are implemional and sports center as well as those in whi	ourse prov nented in r s, councils ch nutritio	rides preser many differ s on aging/s	ent types of setting senior centers, and	nd activities related to the broad gs, including community non-profit emergency feeding sites. Students
Course	The aim of this course is to learn the national and global plans and politics related to public nut range of community-based nutrition research, programs and policies. Public health efforts in coagencies, worksites, health centers, clinics, hospitals, schools, churches, supermarkets, recreati will become familiar with community-based research and programs focused solely on nutrition	rition. This intensive communities are implemional and sports center as well as those in whi	ourse prov nented in r s, councils ch nutritio	rides preser many differ s on aging/s	ent types of setting senior centers, and	nd activities related to the broad gs, including community non-profit emergency feeding sites. Students
Course	The aim of this course is to learn the national and global plans and politics related to public nut range of community-based nutrition research, programs and policies. Public health efforts in coagencies, worksites, health centers, clinics, hospitals, schools, churches, supermarkets, recreati will become familiar with community-based research and programs focused solely on nutrition participatory activities, as well be introduced to case examples of creative and innovative approximately.	rition. This intensive communities are implem onal and sports center as well as those in whi paches to community n	ourse proving the	ides preser many differ s on aging/s on is one co	ent types of setting senior centers, and imponent. Students	nd activities related to the broad gs, including community non-profit emergency feeding sites. Students s will engage in skill-building and
Course Content	The aim of this course is to learn the national and global plans and politics related to public nut range of community-based nutrition research, programs and policies. Public health efforts in coagencies, worksites, health centers, clinics, hospitals, schools, churches, supermarkets, recreati will become familiar with community-based research and programs focused solely on nutrition participatory activities, as well be introduced to case examples of creative and innovative approximately.	rition. This intensive communities are implem tonal and sports center as well as those in white packets to community in the c	unrse proving the state of the	ides preser many differ s on aging/s on is one co	ent types of setting senior centers, and imponent. Students to the content of the content sentent of settings and the content of the content	nd activities related to the broad gs, including community non-profit emergency feeding sites. Students s will engage in skill-building and English nd activities related to the broad
Course Content	The aim of this course is to learn the national and global plans and politics related to public nutrange of community-based nutrition research, programs and policies. Public health efforts in coagencies, worksites, health centers, clinics, hospitals, schools, churches, supermarkets, recreati will become familiar with community-based research and programs focused solely on nutrition participatory activities, as well be introduced to case examples of creative and innovative approximately approximately activities, as well be introduced to case examples of creative and innovative approximately approximately activities, as well be introduced to case examples of creative and innovative approximately activities, as well be introduced to case examples of creative and innovative approximately activities, as well be introduced to case examples of creative and innovative approximately activities, as well be introduced to case examples of creative and innovative approximately activities. The aim of this course is to learn the national and global plans and politics related to public nutrange of community-based nutrition research, programs and policies. Public health efforts in coagencies, worksites, health centers, clinics, hospitals, schools, churches, supermarkets, recreative agencies, worksites, health centers, clinics, hospitals, schools, churches, supermarkets, recreative agencies, worksites, health centers, clinics, hospitals, schools, churches, supermarkets, recreative agencies, worksites, health centers, clinics, hospitals, schools, churches, supermarkets, recreative agencies, worksites, health centers, clinics, hospitals, schools, churches, supermarkets, recreative agencies, worksites, health centers, clinics, hospitals, schools, churches, supermarkets, recreative agencies, worksites, health centers, clinics, hospitals, schools, churches, supermarkets, recreative agencies, worksites, health centers, clinics, hospitals, schools, churches, supermarkets, recreative agencies, which is a supermarket agencies and schools	rition. This intensive communities are implem ional and sports center as well as those in whi paches to community in a communities are implem in a communities are implem in and sports center in a communities are impleminal and sports center in a communities are impleminated in a communities are implementation.	burse proviented in its s, councils ch nutrition that it is shown that it	AE ides preser many differs on aging/s on is one co	ent types of setting senior centers, and senior centers, and senior centers. Students of setting senior centers, and senior centers, and	nd activities related to the broad gs, including community non-profit emergency feeding sites. Students s will engage in skill-building and English nd activities related to the broad gs, including community non-profit emergency feeding sites. Students
Course Content	The aim of this course is to learn the national and global plans and politics related to public nutrange of community-based nutrition research, programs and policies. Public health efforts in coagencies, worksites, health centers, clinics, hospitals, schools, churches, supermarkets, recreati will become familiar with community-based research and programs focused solely on nutrition participatory activities, as well be introduced to case examples of creative and innovative approximately. PUBLIC NUTRITION-II The aim of this course is to learn the national and global plans and politics related to public nutrange of community-based nutrition research, programs and policies. Public health efforts in co	rition. This intensive communities are implem onal and sports center as well as those in whi paaches to community in a community in the communities are implem on all and sports center as well as those in whi	unrse proviented in it is, councils ich nutrition utrition utrition utrition utrition ich	AE ides preser many differs on aging/s on is one co	ent types of setting senior centers, and senior centers, and senior centers. Students of setting senior centers, and senior centers, and	nd activities related to the broad gs, including community non-profit emergency feeding sites. Students s will engage in skill-building and English nd activities related to the broad gs, including community non-profit emergency feeding sites. Students
Course Content	The aim of this course is to learn the national and global plans and politics related to public nutrange of community-based nutrition research, programs and politics. Public health efforts in coagencies, worksites, health centers, clinics, hospitals, schools, churches, supermarkets, recreati will become familiar with community-based research and programs focused solely on nutrition participatory activities, as well be introduced to case examples of creative and innovative approximately approximately activities, as well be introduced to case examples of creative and innovative approximately approxi	rition. This intensive communities are implem onal and sports center as well as those in whi paaches to community in a community in the communities are implem on all and sports center as well as those in whi	unrse proviented in it is, councils ich nutrition utrition utrition utrition utrition ich	AE ides preser many differs on aging/s on is one co	ent types of setting senior centers, and senior centers, and senior centers. Students of setting senior centers, and senior centers, and	nd activities related to the broad gs, including community non-profit emergency feeding sites. Students s will engage in skill-building and English nd activities related to the broad gs, including community non-profit emergency feeding sites. Students
Course Content NDTD369 Course	The aim of this course is to learn the national and global plans and politics related to public nutrange of community-based nutrition research, programs and politics. Public health efforts in coagencies, worksites, health centers, clinics, hospitals, schools, churches, supermarkets, recreati will become familiar with community-based research and programs focused solely on nutrition participatory activities, as well be introduced to case examples of creative and innovative approximately approximately activities, as well be introduced to case examples of creative and innovative approximately approxi	rition. This intensive communities are implem onal and sports center as well as those in whi paaches to community in a community in the communities are implem on all and sports center as well as those in whi	unrse proviented in it is, councils ich nutrition utrition utrition utrition utrition ich	AE ides preser many differs on aging/s on is one co	ent types of setting senior centers, and senior centers, and senior centers. Students of setting senior centers, and senior centers, and	nd activities related to the broad gs, including community non-profit emergency feeding sites. Students s will engage in skill-building and English nd activities related to the broad gs, including community non-profit emergency feeding sites. Students
Course Content NDTD369 Course	The aim of this course is to learn the national and global plans and politics related to public nutrange of community-based nutrition research, programs and politics. Public health efforts in coagencies, worksites, health centers, clinics, hospitals, schools, churches, supermarkets, recreati will become familiar with community-based research and programs focused solely on nutrition participatory activities, as well be introduced to case examples of creative and innovative approximately approximately activities, as well be introduced to case examples of creative and innovative approximately approxi	rition. This intensive communities are implem onal and sports center as well as those in whi paaches to community in a community in the communities are implem on all and sports center as well as those in whi	unrse proviented in it is, councils ich nutrition utrition utrition utrition utrition ich	AE ides preser many differs on aging/s on is one co	ent types of setting senior centers, and senior centers, and senior centers. Students of setting senior centers, and senior centers, and	nd activities related to the broad gs, including community non-profit emergency feeding sites. Students s will engage in skill-building and English nd activities related to the broad gs, including community non-profit emergency feeding sites. Students
Course Content NDTD369 Course	The aim of this course is to learn the national and global plans and politics related to public nutrange of community-based nutrition research, programs and politics. Public health efforts in coagencies, worksites, health centers, clinics, hospitals, schools, churches, supermarkets, recreati will become familiar with community-based research and programs focused solely on nutrition participatory activities, as well be introduced to case examples of creative and innovative approximately approximately activities, as well be introduced to case examples of creative and innovative approximately approxi	rition. This intensive communities are implem onal and sports center as well as those in whi paaches to community in a community in the communities are implem on all and sports center as well as those in whi	unrse proviented in it is, councils ich nutrition utrition utrition utrition utrition ich	AE ides preser many differs on aging/s on is one co	ent types of setting senior centers, and senior centers, and senior centers. Students of setting senior centers, and senior centers, and	nd activities related to the broad gs, including community non-profit emergency feeding sites. Students s will engage in skill-building and English nd activities related to the broad gs, including community non-profit emergency feeding sites. Students
Course Content NDTD369 Course Content	The aim of this course is to learn the national and global plans and politics related to public nutrange of community-based nutrition research, programs and policies. Public health efforts in coagencies, worksites, health centers, clinics, hospitals, schools, churches, supermarkets, recreati will become familiar with community-based research and programs focused solely on nutrition participatory activities, as well be introduced to case examples of creative and innovative approximately approximately activities, as well be introduced to case examples of creative and innovative approximately approxi	rition. This intensive communities are implem ional and sports center as well as those in whi paches to community in the community in the communities are implem ional and sports center as well as those in whi paches to community in the community in the community in the communities are implementable and sports center as well as those in whi paches to community in the community i	urse provo nented in 1, 5, councils ch nutrition 4 Durse provo nented in 1, 5, councils ch nutrition	AE and a different and a diff	ent types of setting senior centers, and semponent. Students and attations, readings a ent types of setting senior centers, and semponent. Students of the course is to each types of the course is to each type of the course is the cou	nd activities related to the broad gs, including community non-profit emergency feeding sites. Students is will engage in skill-building and stivities related to the broad gs, including community non-profit emergency feeding sites. Students is will engage in skill-building and gs, including community non-profit emergency feeding sites. Students is will engage in skill-building and graph
Course Content NDTD369 Course Content	The aim of this course is to learn the national and global plans and politics related to public nutrange of community-based nutrition research, programs and policies. Public health efforts in coagencies, worksites, health centers, clinics, hospitals, schools, churches, supermarkets, recreativell become familiar with community-based research and programs focused solely on nutrition participatory activities, as well be introduced to case examples of creative and innovative approximately programs and politics related to public nutrange of community-based nutrition research, programs and politics. Public health efforts in coagencies, worksites, health centers, clinics, hospitals, schools, churches, supermarkets, recreativell become familiar with community-based research and programs focused solely on nutrition participatory activities, as well be introduced to case examples of creative and innovative approximately.	rition. This intensive communities are implem onal and sports center as well as those in whi paches to community in a special as the special as the special as the special and sports center as well as those in whi paches to community in a special and sports center as well as those in whi paches to community in a special and sports center as well as those in whi paches to community in a special and sports center as well as those in whi paches to community in a special as the special	autrition 4 burse prov aented in 1, 5, councils ch nutritic autrition 4 burse prov aented in 1, 5, councils ch nutritic autrition 4 level. The subjects r	AE c objective or eleted with	ent types of setting senior centers, and imponent. Students of setting senior centers, and imponent. Students of setting senior centers, and imponent. Students of the course is to en nutrition and diet.	nd activities related to the broad process, including community non-profit emergency feeding sites. Students will engage in skill-building and statistics related to the broad process, including community non-profit emergency feeding sites. Students will engage in skill-building and statistics will engage in skill-building and statistics will engage in skill-building and statistics. Students will engage in skill-building and statistics will engage in skill-building and statistics. Introduction to the field
Course Content NDTD369 Course Content	The aim of this course is to learn the national and global plans and politics related to public nutrange of community-based nutrition research, programs and politics. Public health efforts in coagencies, worksites, health centers, clinics, hospitals, schools, churches, supermarkets, recreativill become familiar with community-based research and programs focused solely on nutrition participatory activities, as well be introduced to case examples of creative and innovative approximately approximately activities, as well be introduced to case examples of creative and innovative approximately approximately activities, as well as a community-based nutrition research, programs and politics. Public health efforts in coagencies, worksites, health centers, clinics, hospitals, schools, churches, supermarkets, recreatively become familiar with community-based research and programs focused solely on nutrition participatory activities, as well be introduced to case examples of creative and innovative approximately activities, as well be introduced to case examples of creative and innovative approximately activities, as well be introduced to case examples of creative and innovative approximately activities, as well be introduced to case examples of creative and innovative approximately activities, as well be introduced to case examples of creative and innovative approximately activities, as well be introduced to case examples of creative and innovative approximately activities.	rition. This intensive communities are implem tonal and sports center as well as those in whit paches to community in the community in the communities are implemental and sports center as well as those in whit paches to community in the communi	4 Durse prov ented in in s, councils ich nutrition 4 Durse prov ented din in source prov ented din in s, councils ich nutrition. 4 Level. The subjects r of the sub	AE a Objective related with the control of the con	ent types of setting senior centers, and imponent. Students that it is senior centers, and imponent. Students that it is senior centers, and imponent. Students of the course is to e in nutrition and diet Field Seminar, how	nd activities related to the broad property of the property of
Course Content NDTD369 Course Content NDTD370 Course	The aim of this course is to learn the national and global plans and politics related to public nutrange of community-based nutrition research, programs and policies. Public health efforts in coagencies, worksites, health centers, clinics, hospitals, schools, churches, supermarkets, recreative will become familiar with community-based research and programs focused solely on nutrition participatory activities, as well be introduced to case examples of creative and innovative appropriate participatory activities, as well be introduced to case examples of creative and innovative appropriate participatory activities, as well be introduced to case examples of creative and innovative appropriate programs of this course is to learn the national and global plans and politics related to public nutrange of community-based nutrition research, programs and politics. Public health efforts in coagencies, worksites, health centers, clinics, hospitals, schools, churches, supermarkets, recreatively become familiar with community-based research and programs focused solely on nutrition participatory activities, as well be introduced to case examples of creative and innovative appropriate programs and politics. SEMINAR IN NUTRITION AND DIETETICS-I This undergraduate course is designed to address the intellectual growth needs of students at thorizons of students through group discussion and independent exploration. To teach the press seminar, Scientific presentation, Presentation Type, Review and discussion of review and case read a scientific article, literature review, how should the article summary be and how it should	rition. This intensive communities are implem tonal and sports center as well as those in whit paches to community in the community in the communities are implemental and sports center as well as those in whit paches to community in the communi	4 Durse prov ented in in s, councils ich nutrition 4 Durse prov ented din in source prov ented din in s, councils ich nutrition. 4 Level. The subjects r of the sub	AE a Objective related with the control of the con	ent types of setting senior centers, and imponent. Students that it is senior centers, and imponent. Students that it is senior centers, and imponent. Students of the course is to e in nutrition and diet Field Seminar, how	nd activities related to the broad property of the property of
Course Content NDTD369 Course Content NDTD370 Course Content	The aim of this course is to learn the national and global plans and politics related to public nutrange of community-based nutrition research, programs and policies. Public health efforts in coagencies, worksites, health centers, clinics, hospitals, schools, churches, supermarkets, recreati will become familiar with community-based research and programs focused solely on nutrition participatory activities, as well be introduced to case examples of creative and innovative approximately approximately activities, as well be introduced to case examples of creative and innovative approximately approximately activities, as well be introduced to case examples of creative and innovative approximately activities, health centers, clinics, hospitals, schools, churches, supermarkets, recreati will become familiar with community-based research and programs focused solely on nutrition participatory activities, as well be introduced to case examples of creative and innovative approximately activities, as well be introduced to case examples of creative and innovative approximately activities, as well be introduced to case examples of creative and innovative approximately activities, as well be introduced to case examples of creative and innovative approximately activities, as well be introduced to case examples of creative and innovative approximately approximately activities, as well be introduced to case examples of creative and innovative approximately approximately activities, as well be introduced to case examples of creative and innovative approximately approximately activities and innovative approximately approximately activities. SEMINAR IN NUTRITION AND DIETETICS-I This undergraduate course is designed to address the intellectual growth needs of students at the horizons of students through group discussion and independent exploration. To teach the press seminar, Scientific presentation, Presentation and independent exploration. To teach the press seminar, Scientific article, literature review, how should the articl	rition. This intensive communities are implem fonal and sports center as well as those in whi paches to community in the communities are implementable. The communities are implementable and sports center as well as those in whi paches to community in the communities are implementable and sports center as well as those in whi paches to community in the community in the communities are implementable and sports center as well as those in white paches to community in the community	4 Durse prov ented in in s, councils ich nutrition 4 Durse prov ented din in source prov ented din in s, councils ich nutrition. 4 Level. The subjects r of the sub	AE on aging/s an aging/s on is one co	ent types of setting senior centers, and imponent. Students that it is senior centers, and imponent. Students that it is senior centers, and imponent. Students of the course is to e in nutrition and diet Field Seminar, how	In activities related to the broad property of the property of
Course Content NDTD369 Course Content NDTD370 Course	The aim of this course is to learn the national and global plans and politics related to public nutrange of community-based nutrition research, programs and politics. Public health efforts in coagencies, worksites, health centers, clinics, hospitals, schools, churches, supermarkets, recreati will become familiar with community-based research and programs focused solely on nutrition participatory activities, as well be introduced to case examples of creative and innovative approximate of community-based nutrition research, programs and politics. Public health efforts in coagencies, worksites, health centers, clinics, hospitals, schools, churches, supermarkets, recreati will become familiar with community-based research and programs focused solely on nutrition participatory activities, as well be introduced to case examples of creative and innovative approximate approximate of the programs and politics. Public health efforts in coagencies, worksites, health centers, clinics, hospitals, schools, churches, supermarkets, recreati will become familiar with community-based research and programs focused solely on nutrition participatory activities, as well be introduced to case examples of creative and innovative approximate approximate and innovative approximates and programs focused solely on nutrition participatory activities, as well be introduced to case examples of creative and innovative approximates and inn	rition. This intensive communities are implem onal and sports center as well as those in whi paches to community in the communities are implem onal and sports center as well as those in whi paches to communities are implem onal and sports center as well as those in whi paches to community in the community in the communities are implementation of a report on articles Determination of a report on articles Determination if the written, how should the written, how should the devanced or senior the advanced or senior the advanc	autrition 4 Durse provenented in in second in in second in in second in	AE cobjective or aging/son is one co	ent types of setting senior centers, and imponent. Students of setting senior centers, and imponent. Students of the course is to en nutrition and diet field Seminar, how cition and method before the course is to en output the course is to en nutrition and method before the course is to end of the course is the	English
Course Content NDTD369 Course Content NDTD370 Course Content	The aim of this course is to learn the national and global plans and politics related to public nutrange of community-based nutrition research, programs and politics. Public health efforts in coagencies, worksites, health centers, clinics, hospitals, schools, churches, supermarkets, recreativill become familiar with community-based research and programs focused solely on nutrition participatory activities, as well be introduced to case examples of creative and innovative approximately activities, as well be introduced to case examples of creative and innovative approximately activities, as well be introduced to case examples of creative and innovative approximately activities, as well be introduced to case examples of creative and public nutrange of community-based nutrition research, programs and politics. Public health efforts in coagencies, worksites, health centers, clinics, hospitals, schools, churches, supermarkets, recreativill become familiar with community-based research and programs focused solely on nutrition participatory activities, as well be introduced to case examples of creative and innovative approximately activities, as well be introduced to case examples of creative and innovative approximately activities, as well be introduced to case examples of creative and innovative approximately activities, as well be introduced to case examples of creative and innovative approximately activities, as well be introduced to case examples of creative and innovative approximately activities, as well be introduced to case examples of creative and innovative approximately activities and politics related to public nutrition and public nutrition and politics related to public nutrition and po	(2,0,0)2 rition. This intensive communities are implem to a constant of the control of the cont	uurse provenented in 1, 5, councils ch nutrition uurse provenented in 1, 5, councils ch nutrition uurse provenented in 1, 5, councils ch nutrition.	AE cobjective e- cleared with-	ent types of setting senior centers, and imponent. Students of setting senior centers, and imponent. Students of the course is to en intrition and diet if ield Seminar, how cition and method but of the course is to en intrition and diet of the course is to en intrition and diet.	Indicativities related to the broad programment of the programment of

							- 61
IDTD372	SPORTS NUTRITION	(2,0,0)2	4	AE		diata a	English
	This course presents the scientific basis for sports nutrition emphasizing the energy needs of activity a and athletic activities will be taught. Topics will also include dietary ergogenic aids, nutritional supplen on an athlete's nutrition status. The class will also stress information for competitive athletes and peo	nents, weight	control, c	lietary fads	and myths, intera	ction of alcohol	, caffeine and tobacco
NDTD373	STATISTICAL ANALYSIS METHODS IN NUTRITION AND DIETETICS	(2,0,0)2	4	AE			English
	Statistical methods used in nutrition and dietetics studies, data analysis, evaluation and reporting. Var Methods, Sampling Distribution, Parameter Estimation and Confidence Interval, The Logic of Sampling Hypothesis Testing, Test types and properties, Statistical decision, appropriate test selection, Normal I (Parametric and Nonparametric Test) Dependent Groups (paired Samples)Hypothesis Tests (Parametr Correlation Analysis and Simple Linear, Regression Analysis, Multiple Linear Regression Analysis, Logi	Size Calculati Distribution Te c and Nonpar	ion and M sts and H ametric T	lethods, C lomogeneit est) Chi-Sq	entral Tendency, I ty test of variance	ocation and Dis , Independent	persion Measures, Groups Hypothesis Te
NDTD374	SURGICAL TREATMENT OF OBESITY	(2,0,0)2	4	AE			English
	Definition of obesity and obesity surgery, techniques, indications, contraindications and complications of obesity, Types of treatment for obesity, Chronological development and frequency of obesity surge obesity surgery, Preoperative medical nutrition therapy approach in obesity surgery, Postoperative mapproach in obesity surgery, Nutritional risk after obesity surgery, Nutritional support in obesity surgery	ry, Complication	ons after	obesity sur	gery, Preoperativ	e medical nutrit	ion therapy approach
NDTD375	SUSTAINABLE NUTRITION	(2,0,0)2	4	AE			English
	health, cultural, and environmental dimensions. Core elements will cover: (a) definitions, terminologic sustainable diets; (c) food consumption as an alternative framework; (d) sustainable food consumption emphasis will be on transitioning away from diets per se to a novel 'food consumption' model, using s' discuss papers covering diverse aspects of sustainable food systems. Major assignments include (i) apparent sustainability of various foods; and (ii) developing guidelines for food consumption as an alternative to	n guidelines; a ustainable agr olying an inno	nd (e) str iculture a vative me	ategies to s a referen thodology	promote more su ce framework. Stu - multi-criteria an	stainable food co udents each wee	onsumption. An ek will also select and
NDTD376	USE CREATIVE DRAMA IN NUTRITION EDUCATION	(2,0,0)2	4	AE			English
Course Content	Communication-interaction, reliance and harmonization practice; basic concepts of creative drama sus improvisation, action; creative drama lesson plan review; creative drama lesson plan preparation; prac Communication-Interaction Studies, Confidence-Adaptation Studies, Theoretical Study: The History of interaction, role playing, improvisation, action, dramatic play, etc.), Theoretical Study: Steps, dimension provisation, Role Playing and Improvisation, Relationship between Literary Genres and Creative Dra	ctice creative of Creative Dran ns, items of cr	drama les na), Theo eative dr	son. Dating retical stud ama), Theo	g-Communication y (creativity, dran pretical Study: Rol	Studies- Introdu na, creative drar	iction to the Course, na, communication-
NDTD377	WEIGHT MANAGEMENT IN CHILDREN AND ADOLESCENTS	(2,0,0)2	4	AE			English
Course	This course focuses on the current status of preventive and population-level interventions to reduce o policy approaches to promoting healthier eating and active living. Growth monitoring, nutritional required problems, and obesity treatment in children and adolescents. Growth monitoring and pubertal develor requirements in children and adolescents, Obesity in children and adolescents.	irements, nut oment, Defini	rition-rela ng nutriti	ated proble on-related	ms, prevention of problems in child	obesity, obesite en and adolesce	y-related health
NDTD378	WORLD CUISINES	(2,0,0)2	4	AE			English
Content	This course is a study of the cuisines of the world, including Asia, Europe, the Mediterranean and Afric knowledge of international cuisine cultures. Food and culture, Historical development of cuisine, Turki West Asia, Asian countries cuisine - North and South Asia, European countries cuisine- West Europea Beverages and culture.	sh cuisine, Tui uropean cour	kish trad	itional food ine- Other	ds and its health e European Countri	ffects, Asian cou	ntries cuisine - East a
Course	Course Descriptions – IV: All Area Elective courses Course Title	Credit	otner a	Course		To To	aching Language
NGL311	VOCATIONAL ENGLISH FOR NUTRITION AND DIETETICS-I	(2,0,0)2	4	AE	rre-requisit	ie le	aching Language English
Course	Within the scope of ENGL311 Vocational English for Nutrition and Dietetics-I course, it is aimed to read field of Food Science and Technology (Food Engineering) in order to support / guide the 3rd grade und whose English is at intermediate level. In addition, the students are encouraged to read, speak and as focuses on authentic texts and additional materials related to the field. Communication in the classrofield	I and compreh ergraduate st k questions by	nend and udents w actively	if necessar ho have alr participati	eady studied Engl	ish or finished P the classroom o	chnical language in the reparatory Program of environment. The cou
ENGL312	VOCATIONAL ENGLISH FOR NUTRITION AND DIETETICS-II	(2,0,0)2	4	AE			English
	This course is the second part of ENGL311 Vocational English for Nutrition and Dietetics-I . The aim of it by practicing the relevant lexical devices and language structures used in nutrition and dietetics. The land understand their problems; understand articles about nutrition and dietetics and do research abo covers discussion about nutrition and dietetics, listening to daily events about nutrition and dietetics, in the language of the second part of the second p	earning outcor ut their occup	mes of th ation and	e course in write expe	clude; Students w erimental research	ill be able to cor papers. The co	nmunicate with patie
PHRM406	PHYTOTHERAPY	(2,0,0)2	4	AE			English
Course Content	The aim of the phytotherapy course is to state the regulatory and curative role of herbal medicines on used against gastrointestinal diseases, cardiovascular diseases, respiratory system diseases, urinary sy treatment, aromatic baths. Learning outcomes; 1. Knows herbal medicine preparation methods. 2. Learns herbal drugs (such as carminative, sedative, liver protector) used in certain symptoms. 3. Knows the points to be considered while preparing and using herbal teas (dose, toxicity, interaction 4. Gains knowledge about the preparation samples available in the market. 5. Prepares herbal tea formulas.	human health stem diseases		urse introd		-	

The aim of the course is to give detail information about the interaction mechanisms between food and drugs, the bioactive substances in food and the foods that speed up or slow down the action of the medications and the adverse effects of the foods. Pharmacology: Basic Concepts, Description of Drug, Basic rules of drug application Pharmacodynamics, Pharmacokinetics, Antibiotics- Food Interactions, Anticoagulants and Antianaemics Drugs- Food Interactions, Gastrointestinal Disorders Drugs- Food Interactions, Cardiovascular, Antihypertensives and Content Chemotherapeutic Drugs-Food Interactions, Autonomic and Central Nervous System Agents, Antidepressant Drugs-Food Interactions Course Descriptions - III: All Faculty Elective courses offered by the department of the program. INFORMATICS IN HEALTH The course presents the fundamental principles, concepts, and technological elements that make up the building blocks of Health Informatics. It introduces fundamental characteristics of data, nformation, and knowledge in the domain, the common algorithms for health applications, and IT components in representative clinical processes. It also introduces the conceptual framework for handling the collection, storage and the optimal use of biomedical data. It introduces the concepts of population health and precision medicine and the information systems that support them. It covers basic principles of knowledge management systems in biomedicine, various aspects of Health Information Technology standards, and IT aspects of clinical process modeling. Content The aim of this course to gain theoretical and practical knowledge in the following areas://Quality and Total Quality Management concepts and the introduction of the concepts, Introducing the concepts of quality management in health care, "SKS-hospital 5. Version" of the quality and accreditation standards the creation of relevant documents, registration, storage, Definition of Quality Concept/Total Quality Management (TQM) Development\TQM Practices and Quality Pioneers\SKS-hospital general introduction of Version 5\Corporate Services\nprepare a document on Risk Management and Risk Calculator\Safety Reporting System to collect data on and document preparation\Patients and prepare a document on employees Oriented Services\prepare a document Content on Health Care\prepare a document on Support Services\Management patients document related indicators/Prepare related document with patients and employee oriented services. This course includes General diagnostic methods, Radiodiagnostic diagnostic methods, muscular system diagnosis methods, skeletal system diagnosis methods, neurological system diagnosis nethods, diagnostic methods in respiratory system diseases, diagnostic methods in cardiovascular diseases, Prenatal diagnosis methods, Diagnostic methods in orthopedics, Neurological Course diagnosis methods, Brain Diagnostic methods in surgery, diagnostic approach to young and old patients, diagnostic approach in athlete health, diagnostic evaluation in physiotherapy and Content rehabilitation, medical diagnosis methods used in determining the diseases of the systems, working mechanisms and principles of devices and equipment used for diagnosis, evaluation methods HESC333 PROTECTION AGAINST RADIATION This course is aimed to learn the damage of radiation to human health and the environment and to understand and apply radiation protection methods. This course composed of information entry systems and health informatics, information and communication technologies. The course will cover the historical development of radiation in medicine and to learn the basic principles of adiation protection. In this course, the definition and types of radiation, radioactivity, radiation units and radiation measurement methods, basic principles of radiation protection, biological effects of radiation, radiation systems used in protection, dose limitations, pregnancy and radiation, whole body and organ dose limitations, radiation protection in radiotherapy / radiology, legal Content regulations on radioactive waste, legal obligations in radiation accidents, and emergency procedures. LABORATORY TECHNIQUES AND SAFETY HFSC334 The objective of this course is to provide competence to the students in providing laboratory security, to accomplish procedure before and after analysis, to perform separation processes, to prepare solutions and to perform basic laboratory. This course includes laboratory working principles, laboratory safety, things to be followed when working with chemicals, things to be follower when working with glass materials, laboratory tools and equipment, basic procedures in the laboratory, chemicals and safety precautions harmful to human health, laboratory accidents and first Course Content aid, transportation of chemicals and storage, disposal of chemical wastes and issues to be considered, planning an experiment, setting up mechanisms, experiment book keeping, solution preparation, sample and solution storage, cleaning glass materials and drying techniques. HESC335 (1,0,2)2 4 This course will consider contemporary definitions of physical activity and sedentary behaviour and current data regarding population levels. The course will also examine in detail the elationship between these behaviours and health with a focus on specific chronic conditions. Drawing from the evidence-base, the course will critically consider the current physical activity and edentary behaviour recommendations, and examine current policy initiatives. This course includes concepts related to physical activity, types of physical activity, physiological responses to Course physical activity, relationship between physical activity and health, physical activity and physical fitness, energy and weight control, physical activity in children and adolescents, physical activity Content in adults, physical activity in the elderly. This course includes introduction to the central nervous system, gross anatomy of the medulla spinalis (MS), internal structure of MS, descending pathways, ascending pathways, peripheral nervous system and its pathologies, autonomic nervous system, meninges, hemispheres and cerebrospinal fluid circulation, cerebral artery, vein and its pathologies, functional areas of the brain Course cranial nerves and pathologies, diencephalon and its pathologies, brain stem, cerebellum and its pathologies and limbic system, introduction to neurophysiology, central nervous systen Content organization, sleep physiology, cerebrospinal fluid, blood brain barrier, thalamus, hypothalamus, reticular formation, basal ganglia, cerebellum, sensory processing, motor cortex, control of voluntary movement, speech, learning, memory, pain mechanisms HESC337 The aim of this course is to define the primary needs for designing a suitable working environment for the individual in line with design principles such as function and comfort, and to learn the application of ergonomic and anthropometric principles in the design of various spaces and their elements-reinforcements. Definition, scope, historical process and related disciplines of ergonomics. Industrial ergonomics, furniture and space ergonomics concepts. Structural features of the human body, movement system, bones, joints and muscles. Architecture-ergonomics Course Content relationship. Human dimensions and anthropometric approach. Comfort concept. General principles of interior design and critical dimensions of the equipment of these spaces. Teaching nformation about the application of anthropometric data in furniture and interiors. HESC338 PUBLIC HEALTH The course is aimed for the student to comprehend the meaning and scope of public health. It is aimed to understand the importance of the factors affecting the health of the individual, to examine the factors affecting public health from the perspective of public health, to understand the inequalities in health by emphasizing the situation in the world and in Turkey. Information w be given on access to health services and factors affecting it, obstacles that may arise in service delivery and how to remove them, rights in the field of maternal and child health services and Course reproductive health, evaluation of the current situation in infectious diseases in the world and in Turkey, assessing their own situation in terms of the health of health workers, the importance of environmental health in terms of public health, to be able to look at people with disabilities within the framework of the social model and to develop the right attitude in this regard, regulations on smoking and tobacco control, and understand and evaluate the importance of access to healthy food (2,0,0)2FE This course examines population health and well-being consequences of demographic changes from an interdisciplinary approach. This course provides students to explore contemporary issues n how demographic changes affect population health and well-being from both a theoretical and practical standpoint and using national and cross-national comparisons. Moreover, the student will be involved in a novel discussion of ongoing controversies about the causes and effects of such demographic changes. The course will pay special attention to how health intersects with several sociodemographic (age, gender, ...), economic (education, social class, ...), and contextual (country, ...) factors. Finally, the main demographic indicators will be deeply explained and Content The course will involve a study of general tissue characteristics and will explore histologically and ultrastructurally the different tissue types in the body including epithelial, connective, skeletal, olood/vascular, muscular, and neurological tissues as well as the various organ systems including cardiovascular, lymphatic, integumentary (skin), digestive, respiratory, urinary, endocrine, male Course and female reproductive, and special senses (eye and ear). While the course's emphasis will be a study of the appearance of normal cells and tissues, selected abnormal/diseased tissues will be Content xamined as well (e.g., bone osteoporosis, heart myocardial infarctions, neurological diseases, etc.) and functional correlations will be made.

This course aims to comprehend the importance of epidemiology science. Topics covered in this course include basic principles of epidemiology; measures of disease frequency; epidemiologic study designs: experimental and observational; bias; confounding; outbreak investigations. At the end of this course, students; Define what epidemiology is. Explains the development process of epidemiology in the historical process, gives examples of successful epidemiological studies. Explain the types of epidemiological studies. List the epidemiological indicators. tells the

epidemiological indicators of Turkey. Defines incidence. Defines the prevalence. Explain the difference between prevalence and incidence.

Course

Content

HESC342	HEALTH EDUCATION AND DEVELOPMENT OF HEALTH	(2,0,0)2	4	FE		English
Course Content	This course aims to enable the student to define the determinants that affect health and health behavi healthy living behaviors in individuals, families and society. The concept of health promotion, its definit roles of the nurse in health promotion, Models used in health promotion: Health Belief Model, Transth Cognitive Theory Health promotion and health policies Health promotion and health education Health	ion and cause eoretical Mod	es and dime lel, Models	ensions Dia used in he	gnosis of health and alth promotion: Plan	social determinants of health The ned Behavior Theory, Social
HESC343	DISABILITY AND LIFE	(2,0,0)2	4	FE		English
Course Content	This course consists of various physiotherapy and rehabilitation methods used in congenital or acquired conducted. This course covers the classification of the disabled, social policies and disability rights, disa education of disabled individuals, disabled individuals and sports, protective approaches for the disable individuals, solving problems and making decisions, evaluating the disabled individuals and applying the	bled and emp ed. Students w	loyment, d	isabled an	d transportation-trafe etermining the physic	fic, landscaping for the disabled,
HESC344	HEALTH TOURISM	(2,0,0)2	4	FE		English
Course Content	The aim of this course is to provide students with knowledge about health tourism and spa wellness pridevelopment of medical tourism; the development in health tourism and reasons of them, factors that marketing and logistics in health tourism, policies of health tourism. Students will be able to define health tourism define to compare elderly tourism within the scope of health tourism. Will be able to discuss disabled tou tourism.	form the sup Ith tourism, v	ply of healt vill be able	h tourism; to discuss	factors that affect the	e demand for health tourism, ermal tourism for Turkey. Will be
HESC345	MEDICAL TERMINOLOGY	(2,0,0)2	4	FE		English
Course Content	This course introduces the vocabulary, abbreviations, and symbols used in the language of medicine. Ele end of this course, it is aimed to enable students to learn the spelling, pronunciation and meanings of uncessary. Students who successfully complete this course; He will be able to comprehend the terms of systems, He will be able to relate between medical terms and diseases, He will be able to gain the abilities record medical terms.	inique profess f medical tern	sional term ninology, H	s used in the all	he medical profession ble to understand an	n and to record them when d write the medical terms of the
HESC346	HEALTH LEGISLATION	(2,0,0)2	4	FE		English
Course Content	The general aim of the course; By examining the concepts and rules of health law, it is to produce solut institutions of health law, explain the ways of legal protection by listing the rights of patients and physi arising from medical interventions, evaluate the legal responsibility arising from medical interventions, administration in health services, Organ Will be able to define the concepts of experimentation on hum concepts of drug law and the legal responsibility of the drug manufacturer.	cians, list the explain the c	conditions riminal liab	of legality ility of phy	of medical interventi sicians, determine th	on, evaluate the legal responsibility e responsibility of the
HESC347	PREVENTIONAL HEALTH	(2,0,0)2	4	FE		English
Course Content	Taking protective actions is as important as increasing the level of knowledge in the protection, develor societies. Within the scope of our course, the concepts of health, disease and preventive health will be country will be discussed. Solutions will be offered to understand and spread the importance of preven including environmental problems, will be covered. The spread of infection, the general characteristics the legal and political situation in the world, in the European Region, in Turkey and in our country will be considered to the standard problems.	explained, th tive health in and control o	e recomme our society f infectious	ndations o , and topic diseases,	of the World Health Costs such as nutrition, page as well as the strateg	organization and the situation of our ohysical activity and addiction,
HESC348	PROFESSIONAL ETHICS AND DEONTOLOGY IN HEALTH SCIENCES	(2,0,0)2	4	FE		English
Course Content	The course aims; To develop the students' awareness of human ethic issues; To understand the import deontology of health sciences. Topics to be covered in the course; What is deontology? Definition and I illness, Teamwork in health care, Health Professionals in the Community, Universal Declaration of Hum Euthanasia and Ethics, Organ Transplantation and Ethics, Geriatrics and ethics.	Principles of E	thics, what	is a profes	ssion? Professional pr	rinciples, Concepts of health and
HESC351	INFECTION DISEASES	(2,0,0)2	4	FE		English
Course Content	This course provides a broad understanding of infectious diseases, together with developing strategies such as hepatitis, Ebola, biowarfare agents, and COVID-19 (see our COVID-19 Learning Center) as well a patients, and more. The course includes topics on Infection formation, Infection signs and symptoms, it Nosocomial infections, Disinfection antisepsis and sterilization, Personal protection methods, Isolation	as related top Respiratory tr	ics such as ansmitted	regimens a diseases, B	and updates, special o lood-borne diseases,	considerations when treating these
HESC352		(2,0,0)2	4	FE		English
Course Content	This course aims to provide healthcare professionals with the knowledge and skills necessary to conduct treatment of arrhythmias in order to give the correct and immediate treatment to patients with arrhyt recording and monitoring, ECG rhythm reading, recognizing pathological rhythms in ECG, AV blocks in E hypertrophies on ECG, Electrolyte changes in ECG. By completing this course successfully, students wil ECG recording, and a bedside ECG monitor. Interpret the electrical activity and waves of an ECG.	hmias. The co CG, Branch b	urse includ locks on EC	es topics o G, myocar	n derivation ECG, ECG dial infarction on ECG	G waves and physiopathology, ECG 6, atrial and ventricular
HESC353	INTRODUCTION TO SYSTEMIC DISEASES	(2,0,0)2	4	FE		English
Course Content	This course aims to provide an overview of the mechanisms and consequences of disease based on phy a brief and basic review covering normal structure and function, followed by the pathology and some c disease and the mechanisms underlying signs and symptoms. Diseases covered include cardiovascular, cardiovascular system (some topics may vary by quarter).	ommon disor	ders of eac	h system. I	Discussion includes co	ommon clinical presentations of
MBIO101	MICROBIOLOGY	(2,0,0)2	4	FE		English
Course Content	The aim of this course is to inform students about principles of general microbiology and general aspect strategies to avoid infectious agents is one of the other aims. Introduction to microbiology and classific structures of bacteria, Bacterial metabolism and growth, Bacterial genetics / General properties of Rick properties of fungi / General properties of parasites, Sterilization, disinfection Antibacterial agents, Ennormal flora, Transmission ways and pathogenesis of infectious agents and normal flora Introduction to gastrointestinal tract and food borne infections, Infectious agents transmitted from gastrointestinal tract	ation of micro ettsiae, Myco vironmental m o immune sys	oorganisms plasmas, C nicrobiolog tem, Mech	/ Basic mo hlamydiae / / Transmi anisms of I	orphological structure and Spirochetes, Ger ission ways and patho nnate immunity /, Inf	es of bacteria, Basic morphological neral properties of viruses, General ogenesis of infectious agents and
HESC354	PRINCIPLES OF NUTRITION	(2,0,0)2	4	FE		English
Course Content	This course aims to interpret the relationship between nutrition and health, and to provide information requirements in various age groups and various diseases. It provides theoretical information about the that are important for human health and diseases. Within the scope of the course, it is aimed to under and minerals) in adequate and balanced nutrition and body work, their chemical structures, metabolism in toxic dose	physiological stand the imp	functions, ortance of	requireme macro (car	nts and energy conce bohydrate, protein, f	epts of macro and micro nutrients at) and micro nutrients (vitamins
PATH350	PATHOLOGY	(2,0,0)2	4	FE		English
Course	This course aims to teach students the mechanisms of disease formation, the changes it creates in the cell injury and cellular changes as a result of cell injury, inflammation and inflammatory processes, the drugs and specific organ pathologies have concept in peopletic attemption and the tumor and the	functioning of	f the immu	ne system	in the formation of d	iseases, the undesirable effects of

	diseases and blood flow disorders and infection stages, classification of infectious agents and changes in					as and changes in body naids in
BCHM231	BIOCHEMISTRY	(2,0,0)2	4	FE		English
Course Content	This course involves the study of the molecular composition of living cells, the organization of biologica The biological macromolecules which this course focuses on are proteins, polysaccharides, and polynuc semester we will concentrate on the structures of these molecules, their functions, and the strong relat function of lipids, a fourth important type of biological molecule and a major component of cell membr Other topics to be examined in the course include the kinetics and catalytic mechanisms of enzymes. M biochemical basis of some disease states.	eic acids (DNA ionship betwe anes. Along w	A and RN/ een struct ith the sti	A), including ure and fur udy of lipids	the monomeric uninction. The course wi	ts of these macromolecules. In this ill also examine the structure and ological transport in membranes.
	Course Descriptions – IV: All Faculty Elective courses	offered by			units.	
Code	Course Title	Credit	Credit	Cotogo	Pre-requisite	Teaching Language
BIOL350	BIOLOGY AND GENETICS	(2,0,0)2	4	FE		English
	chromosomal structure, and extrachromosomal inheritance. The molecular basis of transmission of gen			c acius aiiu	proteins. Diva replic	
Course Content	recombination, transposition, transcription, and translation. Examples of gene regulation. Inheritance of DNA between bacteria. Gene technology: restriction mapping, genetic libraries, cloning, gene expressic limitations and ethics of gene technology are discussed.	f genetic inforns to overpro	mation: r duce prot	neiosis, sex eins of inte	ual reproduction and	d classical genetics and transfer of encing, PCR. The possibilities,
	recombination, transposition, transcription, and translation. Examples of gene regulation. Inheritance of DNA between bacteria. Gene technology: restriction mapping, genetic libraries, cloning, gene expression limitations and ethics of gene technology are discussed. PSYCHOLOGY	f genetic inforns to overpro	mation: r duce prot	neiosis, sex eins of inte	ual reproduction and rest, DNA/RNA-sequ	d classical genetics and transfer of lencing, PCR. The possibilities,
Content	recombination, transposition, transcription, and translation. Examples of gene regulation. Inheritance of DNA between bacteria. Gene technology: restriction mapping, genetic libraries, cloning, gene expressic limitations and ethics of gene technology are discussed.	(2,0,0)2 a such things a ological disordetc.) and the i and psychological psychological disordetc.)	duce prot 4 s the hist ders. This ntroducti	FE ory and ori course incl on of psych	ual reproduction and rest, DNA/RNA-sequ gins of psychology, rudes the definition o ology theories (beha ects of intelligence a	d classical genetics and transfer of tencing, PCR. The possibilities, English esearch methods, biological aspect of psychology, the history of vivioral theories, cognitive theories, nd its theories, sensation and
PSYC231 Course	recombination, transposition, transcription, and translation. Examples of gene regulation. Inheritance of DNA between bacteria. Gene technology: restriction mapping, genetic libraries, cloning, gene expressic limitations and ethics of gene technology are discussed. PSYCHOLOGY The course will examine the different models upon which modern psychology has been built, along with of psychology, human development, perception, consciousness, learning, personality theory, and psychology, the fields of psychology (social psychology, clinical psychology, developmental psychology existentialist theory, etc.) and the biological foundations of psychology, defense mechanisms, disability perception, memory, learning theories, human development, personality and theories, abnormal behaviors.	(2,0,0)2 a such things a ological disordetc.) and the i and psychological psychological disordetc.)	duce prot 4 s the hist ders. This ntroducti	FE ory and ori course incl on of psych	ual reproduction and rest, DNA/RNA-sequ gins of psychology, rudes the definition o ology theories (beha ects of intelligence a	d classical genetics and transfer of tencing, PCR. The possibilities, English esearch methods, biological aspect of psychology, the history of vivioral theories, cognitive theories, nd its theories, sensation and