



**Beni Suef University
National Institute of Longevity
Elderly Sciences**

Introduction

The age group of older persons in Egypt is increasing. In 2025, they are expected to reach 11.3% of Egypt's total population of 10 million and 648,000.

The indicators of scientific research in Egypt indicate the need to improve the quality of life of the elderly in various aspects (medical, psychological, social and environmental), because the current efforts in the service of the elderly - representing the balance of experience and the code of giving to the nation - do not live up to the level we aspire to. Types of integrated services to them, as compared to concerns in other countries.

In Egypt, it is noted that the bodies caring for the elderly are numerous and are represented by the Ministry of Health, the Health Insurance Authority, doctors in private clinics, nursing institutes, the Ministry of Social Affairs, the Ministry of Youth and Sports, various clubs, religious bodies and charitable societies. And in a few cases their survival.

The above confirms that the establishment of the Institute for the Study of Elderly Sciences - has the necessary scientific staff capable of keeping pace with the scientific and research trends in the field of the elderly and caring for them, especially with increasing national and regional awareness of the importance of caring for the elderly. And their caregivers.

The University of Beni Suef took the initiative to alert the students to the goals of the Institute for the Study of the Elderly to achieve these goals. This was followed by the implementation of several proposals and recommendations in this regard, particularly the recommendations of the specialized national councils and the conferences of the elderly, A national demand in the first instance that achieves social peace and national security.

The fields of study at the Institute require the integration of different branches of specialization in the medical, social, economic, psychological, nutritional sciences, physiotherapy and other disciplines, in order to achieve coordination between different disciplines in the fields related to the care of the elderly.

The University of Beni Suef contributes to this project in developing a sense of belonging to the citizen, and maximizing the feeling of safety in the case of aging, and the reflection on the ability of the Egyptian man to achieve comprehensive development that would achieve the progress of the country and its welfare.

Vision

National Institute of Longevity Elderly Sciences (NILES) aims to be a national, regional and even international center for the research and services of the elderly. It should always respond to the continuous changes in scientific knowledge and methods of caring for the elderly and the needs of society and its requirements, based on distinct elements of leadership, planning, development, management and implementation.

Mission

The mission of the Institute is to produce and create information, skills, attitudes and behaviors that guarantee the right of the elderly to a more prosperous, secure and effective life.

The Institute contributes to the development of a national strategy for integrated scientific research in the field of the elderly with the aim of providing scientific knowledge in this field, helping to prepare scientific cadres in the various fields of scientific and applied work, and creating models for integrated services for the elderly in accordance with the culture of Egyptian and Arab society. Promote peace / social and intergenerational communication, create conditions that allow the elderly to participate positively, and improve the quality of their lives in all their health, psychological, social and cultural aspects.

Objectives of the Institute:

The goals of the Institute for the Study of Aging Sciences are:

(A) Educational objectives:

1 - Develop a method of higher education integrated in the field of the elderly, through which it can obtain diplomas of specialization, then the master's degree, and then the doctorate in the specialties of the departments of the Institute, which reflects on the development of these disciplines in the corresponding sections in other university colleges.

2 - Development of modern methods of integrated education in the field of studies of the sciences of the elderly.

3 - Respond to the need of educational and service bodies - in Egypt and the Arab world - to create high-level scientific and technical cadres.

(B) Training objectives:

1 - Preparation of a plan - near - term and long - term - to qualify the cadres needed for the Institute studies the sciences of the elderly.

- 2 - Training of scientific cadres of university graduates to work in scientific research, and applied services from an integrated perspective in the field of the elderly
3. Develop integrated training programs to work in a team of scientific institutions and nursing institutions.
4. Developing training programs for the provision of services for the elderly and their care programs in Egypt and the Arab world.
5. Establish training programs for workers in the field of the elderly to disseminate modern information and skills in the field of elderly research and effective methods of providing service and care for the elderly.

(C) Research objectives:

1. Develop a long-term strategy in the field of studies and care of the elderly.
- 2 - work on the integration of scientific studies and care services for the elderly in various aspects of health, psychological, social, environmental and rehabilitation.
- 3 - Conducting comparative scientific studies for the elderly in Egypt, the Arab world and the foreign countries.
4. Organizing conferences and seminars, at the national and international level, to exchange scientific and professional experiences.
5. Support scientific research programs and provide technical and financial resources for conducting them in interdisciplinary teams.
6. Organization of scientific publishing methods in the field of the elderly.
7. Establish a database for the research and services of the elderly.

Scientific departments of the Institute:

1. Department of Geriatric Medicine
2. Department of Geriatric Nursing
3. Department of Geriatric Physical Therapy
4. Department of Geriatric Occupational Therapy
5. Department of Geriatric Nutrition
6. Department of Geriatric Psychology
7. Department of Elderly Engineering and Environmental Studies
8. Department of Elderly Social Studies
9. Department of Elderly sporting and recreation
10. Department of Elderly Arts
11. Department of Geriatric Dentistry
12. Department of Elderly Tourism
13. Department of Geriatric Rehabilitation Nursing

Degrees awarded by the Institute:

First: General Diploma:

1. General diploma in the sciences of the elderly
2. General Diploma in Geriatric Nutrition
3. General diploma for the geriatric psycho-social rehabilitation

Second: Specialized Degrees:

A. Diploma degree in studies of the sciences of the elderly.

- Diploma of Geriatric Medicine
- Diploma of Geriatric Nursing
- Diploma of Geriatric Physical Therapy
- Diploma of Geriatric Occupational Therapy
- Diploma of Geriatric Nutrition
- Diploma of Geriatric Psychology
- Diploma of Elderly Engineering and Environmental Studies
- Diploma of Elderly Social Studies
- Diploma of Elderly sporting and recreation
- Diploma of Elderly Arts
- Diploma of Geriatric Dentistry
- Diploma of Elderly Tourism
- Diploma of Geriatric Rehabilitation Nursing

B. Master's degree in studies of the sciences of the elderly.

- Master of Geriatric Medicine
- Master of Geriatric Nursing
- Master of Geriatric Physical Therapy
- Master of Geriatric Occupational Therapy
- Master of Geriatric Nutrition
- Master of Geriatric Psychology
- Master of Elderly Engineering and Environmental Studies
- Master of Elderly Social Studies
- Master of Elderly sporting and recreation
- Master of Elderly Arts
- Master of Geriatric Dentistry
- Master of Elderly Tourism
- Master of Geriatric Rehabilitation Nursing

C - Doctorate degree in studies of the sciences of the elderly

- MD of Geriatric Medicine
- PhD of Geriatric Nursing
- PhD of Geriatric Physical Therapy
- PhD of Geriatric Occupational Therapy
- PhD of Geriatric Nutrition
- PhD of Geriatric Psychology
- PhD of Elderly Engineering and Environmental Studies
- PhD of Elderly Social Studies
- PhD of Elderly sporting and recreation
- PhD of Elderly Arts
- PhD of Geriatric Dentistry
- PhD of Elderly Tourism
- PhD Geriatric Rehabilitation Nursing

I. General Diploma Courses

First: General diploma in studies of the sciences of the elderly

In each semester, students' study eight subjects of the following courses (8 x 2 x 2 = 32 hours):

Total	Final marks			Semester work	CR HR			COURSE	Code
	written	Prac	Oral		Total	Lab	Lec.		
	100	60	-		-	40	2		
100	60	-	-	40	2	-	2	Geriatric Sports and recreation	GSR 101
100	60	-	20	20	2	-	2	Geriatric Physical Therapy	GPT 101
100	60	-	10	30	2	-	2	Geriatric Psychology	GPS 101
100	60	-	-	40	2	-	2	Interior Design and architecture for Elderly	GEE 101
100	60	-	20	20	2	-	2	Geriatric Nursing	GNR 101
100	60	-	-	40	2	-	2	Tourism for the elderly	GTS 101
100	60	-	-	40	2	-	2	Geriatric Occupational Therapy	GOT 101
100	60	-	-	40	2	-	2	Elderly Social Sciences	GSS 101
100	60	-	-	40	2	-	2	Elderly Art studies	GAS 101
100	60	-	20	20	2	-	2	Geriatric Rehabilitation Nursing	GRN 101
100	60	-	20	20	2	-	2	Laws and Legislations for Geriatrics	LAW 101
100	60	-	-	40	2	-	2	Economics of the elderly	ECE 101
100	60	-	-	40	2	-	2	Media of the elderly	MEE 101

Second: General Diploma in Nutrition of the Elderly:

Courses: In each semester, the student will study eight subjects of the following courses ($8 \times 2 \times 2 = 32$ hours) (13 subjects and 3 general subjects):

Total	Final marks			Semester work	CR HR			COURSE	Code
	written	Prac	Oral		Total	Lab	Lec.		
100	60	-	10	30	2	-	2	Nutrients	NT 101
100	60	-	10	30	2	-	2	Nutrition and physical activity	NT 102
100	60	-	10	30	2	-	2	Food needs of humans	NT 103
100	60	-	10	30	2	-	2	Food Analysis	NT 104
100	60	-	10	30	2	-	2	Nutrition during the stages of life	NT 105
100	60	-	10	30	2	-	2	Malnutrition diseases	NT 106
100	60	-	10	30	2	-	2	Elective course	NT 107
100	60	-	10	30	2	-	2	Biochemistry	NT 201
100	60	-	10	30	2	-	2	Food Quality Control	NT 202
100	60	-	10	30	2	-	2	Food Health	NT 203
100	60	-	10	30	2	-	2	Recent developments in patient nutrition	NT 204
100	60	-	10	30	2	-	2	Planning meals	NT 205
100	60	-	10	30	2	-	2	the food chain	NT 206
100	60	-	10	30	2	-	2	Elective course	NT 207

Third: General diploma for geriatric psycho-social rehabilitation

The student studies eight subjects (6 specialized subjects + 2 general subjects)

Total	Final marks			Semester work	CR HR			COURSE	Code
	written	Prac	Oral		Total	Lab	Lec.		
	100	60	-		-	40	2		
100	60	-	-	40	2	-	2	Psychological research and tests	SS 102
100	60	-	-	40	2	-	2	The elderly and leisure time	SS 103
100	60	-	-	40	2	-	2	Social problems for the elderly	SS 104
100	60	-	-	40	2	-	2	Advanced Psychology	SS 105
100	60	-	-	40	2	-	2	Clinical Psychology	SS 106
100	60	-	-	40	2	-	2	Elective course	SS 107
100	60	-	-	40	2	-	2	Elective course	SS 108
100	60	-	-	40	2	-	2	Medical Anthropology	SS 201
100	60	-	-	40	2	-	2	field training	SS 202
100	60	-	-	40	2	-	2	The elderly and the issues of the international community	SS 203
100	60	-	-	40	2	-	2	Social adjustment for the elderly	SS 204
100	60	-	-	40	2	-	2	Sociology of the Elderly	SS 205
100	60	-	-	40	2	-	2	Psychotherapy	SS 206
100	60	-	-	40	2	-	2	Elective course	SS 207
100	60	-	-	40	2	-	2	Elective course	SS 208

II. Courses for Diploma Degree in Elderly Studies (Specialist)

First: Compulsory Requirements: In each semester, the student studies two of the following courses (2 subjects x 2 x 4 = 16 hours), provided that they do not include the subject of specialization to which the department belongs.

Exam time						Credit hours			Course	code
	Total marks	Final Exam			Semester work	Total	Prac.	Lec.		
		written	practical	oral						
2	100	60	-	-	40	2	-	2	Geriatric nutrition	GNT 101
2	100	60	-	-	40	2	-	2	Geriatric Sports and recreation	GSR 101
2	100	60	-	-	40	2	-	2	Geriatric Physical Therapy	GPT 101
2	100	60	-	-	40	2	-	2	Geriatric Occupational Therapy	GOT 101
2	100	50	-	10	40	2	-	2	Geriatric Psychology	GPS 101
2	100	60	-	-	40	2	-	2	Elderly Social Sciences	GSS 101
2	100	60	-	-	40	2	-	2	Interior Design and architecture for Geriatric	GEE 101
2	100	60	-	-	40	2	-	2	Elderly Art studies	GAS 101
2	100	60	-	20	20	2	-	2	Geriatric Nursing	GNR 101
2	100	60	-	-	40	2	-	2	Tourism for the elderly	GTS 101
2	100	60	-	20	20	2	-	2	Nursing Rehabilitation for the Elderly	GRN 101
2	100	60	-	-	40	2	-	2	Economics of the elderly	ECE 101
2	100	60	-	-	40	2	-	2	Media of the elderly	MEE 101
2	100	60	-	20	20	2	-	2	Laws and Legislations for Geriatrics	LAW 101

Grads & Their Equivalence in Percentage:

Geriatric Occupational – Geriatric Nursing – Geriatric Occupational Therapy – Therapy Nursing Rehabilitation for the Elderly			Remaining Courses		
Grade	Percentage	Weight	Grade	Percentage	Weight
ف F	0<60	0.00	ف F	0<50	0.00
د D	60<62.5	1.00	د D	50<52.5	1.00
د D+	62.5<65	1.30	د D+	52.5<55	1.30
ج C-	65<67.5	1.70	ج C-	55<60	1.70
ج C	67.5<70	2.00	ج C	60<65	2.00
ج C+	70<72.5	2.30	ج C+	65<70	2.30
ب B-	72.5<75	2.70	ب B-	70<75	2.70
ب B	75<80	3.00	ب B	75<80	3.00
B+	80<85	3.30	B+	80<85	3.30
أ A-	85<90	3.70	أ A-	85<90	3.70
أ A	90 and above	4.00	أ A	90 and above	4.00

Specialization requirements:

Each semester is compulsorily studied as per the following tables at each department level (40 credit hours)

5 subjects x 2 hours x 4 semesters

Third: Elective Requirements in a Field Outside Specialization: (8 credit hours)

1 subject x 2 hours x 4 semesters

Total Credit Hours $16 + 40 + 8 = 64$ Credit Hours

The student chooses one course in each of the following courses:

EXAM TIME						CREDIT HOURS			COURSE	Code
	Total	Final Exam			Semester work	Total	Prac.	Lec.		
		Writt en	Practi cal	Oral						
2	100	60	-	-	40	2	-	2	Specialized Texts in English	ENG 101
2	100	60	-	-	40	2	-	2	Research methods	RESE 101
2	100	60	-	-	40	2	-	2	Statistics in Geriatric Research	GSTT 101
2	100	60	-	20	20	2	-	2	Laws and Legislations for Geriatrics	LAW 101
2	100	60	-	-	40	2	-	2	Management and Financing of Geriatric Projects	MANG 101
2	100	60	-	-	40	2	-	2	Use of Computer in the Studies of Geriatric	COMP 101

1. Department of Geriatric Medicine

- Specialized courses according to the following schedules:

EXAM TIME						CREDIT HOURS			COURSE	code
	total	Final exam			Semester work	total	Prac.	Lec		
		Lec	Clinical	oral						
2	100	80	-	-	20	2		2	Physiology and Pathology of Aging	MD 111
2	100	80	-	-	20	2		2	Pharmacology of Aging	MD 112
2	100	80	-	-	20	2		2	Delirium and Dementia	MD 113
2	100	60	20	20	20	2	2	1	Endocrine and Metabolic Disorders	MD 114
2	100	80	-	-	20	2		2	Psychiatric Disorders I	MD 115
2	100	60	20	20	20	2	2	1	Neurological Disorders	MD 121
2	100	60	20	20	20	2	2	1	Musculoskeletal Disorders	MD 122
2	100	80	-	-	20	2	2	1	Fracture and Injuries	MD 123
2	100	80	-	-	20	2	2	1	Surgery and Rehabilitation	MD 124
2	100	60	20	20	20	2	-	2	Psychiatric Disorders II	MD 125
60	2	100	60	30	10	2	2	1	Pulmonary Disorders	MD 211
60	2	100	60	30	10	2	2	1	Cardiovascular Disorders	MD 212
60	2	100	60	20	20	2	2	1	Kidney and urinary tract disorders	MD 213
60	2	100	60	30	10	2	2	1	Gastrointestinal Disorders	MD 214
80	2	100	80	-	20	2		2	Men's and Women's Health Issues	MD 215

60	2	100	60	20	20	2	2	1	Dermatologic and Sensory Organ Disorder	MD 221
60	2	100	60	20	20	2	2	1	Ophthalmology	MD 222
60	2	100	60	20	20	2	2	1	Nose, Ear and Throat Disorders	MD 223
80	2	100	80	-	20	2	-	2	Community Health	MD 224
60	2	100	60	30	10	2	2	1	Infectious Diseases	MD 225

2. Department of Geriatric Nursing

Specialized courses according to the following schedules:

EXAM TIME						CREDIT HOURS			COURSE	code
	total	Final exam			Semester work	total	Prac.	Lec		
		Lec	Practical	oral						
2	100	60	-	20	20	2	-	2	Skills and Theories of Geriatric Nursing and its Applications	NR 111
2	100	60	-	20	20	2	-	2	Nursing Needs of Elderly Population	NR 112
2	100	60	-	20	20	2	-	2	Anatomy and Physiology of Geriatrics	NR 113
2	100	60	-	20	20	2	-	2	Geriatric Nursing Seminars I	NR 114
-	100	-	60	-	40	2	4	-	Clinical Practice in Geriatrics	NR 115
2	100	60	-	20	20	2	-	2	Epidemiology for elderly	NR 121
2	100	60	-	20	20	2	-	2	Health promotion	NR 122
2	100	60	-	20	20	2	-	2	Social adjustment for elderly	NR 123
2	100	60	-	20	20	2	-	2	Geriatric Nursing Seminars II	NR 124
-	100	-	60	-	40	2	4	-	Clinical Practice in Geriatrics	NR 125
2	100	60	-	20	20	2	-	2	Geriatric Nursing Seminars III	NR 211
2	100	60	-	20	20	2	-	2	Psychiatric nursing for the elderly	NR 212

2	100	60	-	20	20	2	-	2	Health education for the elderly	NR 213
2	100	60	-	20	20	2	-	2	Computer science and its application in nursing	NR 214
-	100	-	60	-	40	2	4	-	Clinical Practice in Geriatrics	NR 215
2	100	60	-	20	20	2		2	Geriatric Nursing Seminars IV	NR 221
2	100	60	-	20	20	2		2	Pharmacology for elderly	NR 222
2	100	60	-	20	20	2		2	Leisure time among geriatrics	NR 223
2	100	60	-	20	20	2	-	2	Basics of administration for elderly	NR 224
-	100	-	60	-	40	2	4	-	Clinical Practice in Geriatrics	NR 225

3.Department of Geriatric Physical Therapy

Specialized courses according to the following tables:

EXAM TIME						CREDIT HOURS			COURSE	code
	total	Final exam			Semester work	total	Prac.	Lec		
		Lec	Practical	oral						
2	100	80	-	-	20	2	-	2	Gerontology	PT 111
2	100	60	10	10	20	2	-	2	Evaluation and Measurements	PT 112
2	100	60	10	10	20	2	-	2	Hydrotherapy	PT 113
2	100	60	10	10	20	2	-	2	Electrotherapy	PT 114
-	100	-	60	-	40	2	4	-	Clinical Geriatric Physical Therapy	PT 115
2	100	60	-	-	40	2	-	2	Physical therapy role in respiratory system for elderly	PT 121
2	100	60	-	-	40	2	-	2	Physical therapy role in circulatory system for elderly	PT 122

2	100	60	-	-	40	2	-	2	Physical therapy role in nervous system for elderly	PT 123
2	100	60	-	-	40	2	-	2	Physical therapy for postural deformities in elderly	PT 124
2	100	60	-	-	40	2	-	2	Physical therapy and digestive system for elderly	PT 125
2	100	60	-	20	20	2	-	2	Exercise physiology for the elderly	PT 211
2	100	60	-	20	20	2	-	2	Biomechanics for the elderly	PT 212
2	100	60	10	10	20	2	2	1	Physical therapy role in evaluating the musculoskeletal performance of the elderly	PT 213
2	100	60	10	10	20	2	2	1	Physical therapy role in the treatment of cases of aging	PT 214
2	100	60	-	-	40	2	-	2	New trends in physical therapy for the elderly	PT 215
2	100	60	10	10	20	2	2	1	Theories of occupational therapy for the elderly	PT 221
2	100	60	-	20	20	2	-	2	Theories of rehabilitation for the elderly	PT 222
2	100	60	10	10	20	2	2	1	Physical therapy role in aging diseases	PT 223
2	100	60	-	20	20	2	-	2	Complications of falls - nervous tension - urine incontinence	PT 224
2	100	60	-	20	20	2	-	2	Physical therapy role in post-menopausal cases	PT 225

4. Department of Geriatric Occupational Therapy

Specialized courses according to the following tables

EXAM TIME						CREDIT HOURS			COURSE	code
	total	Final exam			Semester work	total	Prac.	Lec		
		Lec	Practical	oral						
2	100	60	-	-	40	2	-	2	Introduction to Occupational Therapy (Definition - History - Philosophy)	OT 111

2	100	60	-	-	40	2	-	2	Educational and training requirements for specialist in occupational therapy	OT 112
-	100	-	60	-	40	2	4	-	Occupational Therapy Clinics	OT 113
2	100	60	-	-	40	2	-	2	Ethics of Occupational Therapy	OT 114
2	100	60	-	-	40	2	2	1	Creative skills for the elderly	OT 115
2	100	60	-	-	40	2	-	2	Occupational therapy Systems	OT 121
2	100	40	10	10	40	2	2	1	Practice of occupational therapy	OT 122
2	100	60	10	10	20	2	2	1	Evaluation of occupational therapy	OT 123
2	100	60	-	-	40	2	-	2	Safety of occupational therapy	OT 124
2	100	60	10	10	20	2	2	1	Specialized skills in occupational therapy	OT 125
2	100	60	-	-	40	2	-	2	History of scientific methods in rehabilitation	OT 211
2	100	60	-	-	40	2	-	2	Research Methods in Occupational Therapy	OT 212
2	100	60	-	-	40	2	-	2	Quantitative and qualitative models in occupational therapy research	OT 213
2	100	60	-	-	40	2	-	2	Research problems	OT 214
2	100	60	10	10	20	2	2	1	Vocational and social rehabilitation for the elderly	OT 215
2	100	60	-	-	40	2	-	2	Specification of Occupational Therapist	OT 221
2	100	60	-	20	20	2	-	2	Occupational therapy and health care	OT 222
2	100	60	10	10	20	2	2	1	Occupational Therapy methods	OT 223

2	100	60	-	20	20	2	-	2	Measurement and evaluation of specialist in occupational therapy	OT 224
2	100	60	-	-	40	2	-	2	Client-centered Occupational therapy	OT 225

4.Department of Geriatric Nutrition

Specialized courses according to the following tables

EXAM TIME						CREDIT HOURS			COURSE	code
	total	Final exam			Semester work	total	Prac.	Lec		
		Lec	Practical	oral						
2	100	60	-	10	30	2	-	2	Nutrients	NT 111

2	100	60	-	10	30	2	-	2	Nutrition and Physical Activity	NT 112
2	100	60	-	10	30	2	-	2	Human Dietary Requirements	NT 113
2	100	60	-	10	30	2	-	2	Food Analysis	NT 114
2	100	60	-	10	30	2	-	2	Food Analysis Tables	NT 115
2	100	60	-	10	30	2	-	2	Nutrition during the stages of life	NT 121
2	100	60	-	10	30	2	-	2	Malnutrition diseases	NT 122
2	100	60	-	10	30	2	-	2	Food pyramid for the elderly	NT 123
2	100	60	-	10	30	2	-	2	Digest the food and suck with the medicine	NT 124
2	100	60	-	10	30	2	-	2	Evaluation of the nutritional status of the elderly	NT 125
2	100	60	-	10	30	2	-	2	Food education for the elderly	NT 211
2	100	60	-	10	30	2	-	2	Feeding the elderly diabetic	NT 212
2	100	60	-	10	30	2	-	2	Feeding the heart and blood vessels	NT213
2	100	60	-	10	30	2	-	2	Feeding gout patient	NT 214
2	100	60	-	10	30	2	-	2	Feeding cancer patient	NT 215
2	100	60	-	10	30	2	-	2	Feeding liver patient	NT 221
2	100	60	-	10	30	2	-	2	Feeding the patient of the urinary and kidney system	NT 222
2	100	60	-	10	30	2	-	2	Postoperative nutrition and recovery period for the elderly	NT 223
2	100	60	-	10	30	2	-	2	Feeding patient with critical conditions for the elderly	NT 224
2	100	60	-	10	30	2	-	2	Special nutrition for the elderly	NT 225

5. Department of Geriatric Psychology

Specialized courses according to the following tables

EXAM TIME						CREDIT HOURS			COURSE	code
	total	Final exam			Semester work	total	Prac.	Lec		
		Lec	Practical	oral						
2	100	40	20	-	40	5	3	2	Mental abilities of elderly	PS 111
2	100	40	20	-	40	4	2	2	Personality of Elderly	PS 112
2	100	60	-	-	40	2	-	2	Psychology of work and retirement for Elderly	PS 113
2	100	40	20	-	40	5	3	2	Psychological bases of Speech Therapy for Elderly	PS 114
2	100	60	-	-	40	2	-	2	Social skills of elderly	PS 115
2	100	40	20	-	40	2	3	2	Geriatric Clinical Neuropsychology	PS 121
2	100	60	-	-	40	2	-	2	Geriatric Cognitive Psychology	PS 122
2	100	60	-	-	40	2	-	2	Attitudes and Beliefs of Elderly	PS 123
2	100	40	20	-	40	2	3	2	Geriatric Counseling and Rehabilitation	PS 124
2	100	60	-	-	40	2	-	2	Mental Health of Elderly	PS 125
2	100	40	20	-	40	2	3	2	Geriatric Clinical psychology - Diagnostic	PS 211
2	100	60	-	-	40	2	-	2	Geriatric Health Psychology	PS 212
2	100	60	-	-	40	2	-	2	Geriatric psychological Disorders	PS 213
2	100	60	-	-	40	2	-	2	Cognitive Styles and Strategies of Elderly	PS 214
2	100	60	-	-	40	2	-	2	Motives and Emotion of Elderly	PS 215
2	100	40	20	-	40	2	3	2	Geriatric Clinical psychology (Therapeutic)	AS 221
2	100	60	-	-	40	2	-	2	Psycho-social Care for Elderly	AS 222

2	100	60	-	-	40	2	-	2	Methodology in Geriatric Psychology	AS 223
2	100	40	20	-	40	2	4	2	Cognitive-Behavioral Psychotherapy for Elderly	AS 224
2	100	60	-	-	40	2	-	2	Geriatric Medical Psychology	AS 225

7. Department of Engineering and Environmental Studies

Specialized courses according to the following tables

EXAM TIME						CREDIT HOURS			COURSE	code
	total	Final exam			Semester work	total	Prac.	Lec		
		Lec	Practical	oral						

2	100	60	-	-	40	2	-	2	Design Elements for the Elderly	EE 111
2	100	60	-	-	40	2	-	2	Introduction to Urban Planning for the Elderly	EE 112
2	100	60	-	-	40	2	-	2	Building Studies	EE 113
2	100	60	-	-	40	2	-	2	Environmental Engineering	EE 114
2	100	60	-	-	40	2	4	-	Technical Language and Reporting	EE 115
2	100	60	-	-	40	2	-	2	Architectural design for the elderly	EE 121
2	100	60	-	-	40	2	-	2	Building technology	EE 122
2	100	60	-	-	40	2	-	2	Electrical engineering, mechanical for the elderly	EE 123
2	100	60	-	-	40	2	-	2	Urban Design	EE 124
2	100	60	-	-	40	2	-	2	Computer Applications	EE 125
2	100	60	-	-	40	2	-	2	Planning and environmental design for the elderly	EE 211
2	100	60	-	-	40	2	-	2	Applied Research - Design And environmental planning	EE 212
2	100	60	-	-	40	2	-	2	Environmental design and planning trends	EE 213
2	100	60	-	-	40	2	-	2	Natural and industrial lighting	EE 214
2	100	60	-	-	40	2	-	2	Architectural design for the elderly	EE 215
2	100	60	-	-	40	2	-	2	Integrated ecosystems for the elderly	EE 221
2	100	60	-	-	40	2	-	2	Elective courses	EE 222
2	100	60	-	-	40	2	-	2	New and renewable energy	EE 223
2	100	60	-	-	40	2	-	2	Analysis and environmental assessment	EE 224
2	100	60	-	-	40	2	-	2	Architectural design for the elderly	EE 225

8. Department of Social Studies
Specialized courses according to the following tables

EXAM TIME						CREDIT HOURS			COURSE	code
	total	Final exam			Semester work	total	Prac.	Lec		
		Lec	Practical	oral						
2	100	60	-	-	40	2	-	2	Elderly Social Sciences	SS 111
2	100	60	-	-	40	2	-	2	Life Style of Elderly	SS 112
2	100	60	-	-	40	2	-	2	Social and Cultural Environment of Elderly	SS 113
2	100	60	-	-	40	2	-	2	The Elderly and Routes of Collective Communication	SS 114
2	100	60	-	-	40	2	-	2	Field Training	SS 115
2	100	60	-	-	40	2	-	2	Elderly and Family	SS 121
2	100	60	-	-	40	2	-	2	Social work practice with the elderly	SS 122
2	100	60	-	-	40	2	-	2	Medical anthropology	SS 123
2	100	60	-	-	40	2	-	2	Elderly and Pressure of Daily Life	SS 124
2	100	60	-	-	40	2	-	2	Community Changes and Elderly	SS 125
2	100	60	-	-	40	2	-	2	Social Problems for the Elderly	SS 211
2	100	60	-	-	40	2	-	2	The Elderly and Human Development	SS 212
2	100	60	-	-	40	2	-	2	Work and Achievement among the Elderly	SS 213
2	100	60	-	-	40	2	-	2	Elderly and Environmental Treatment	SS 214
2	100	60	-	-	40	2	-	2	Civil Society and the Elderly	SS 215
2	100	60	-	-	40	2	-	2	Social Adjustment for the Elderly	SS 221
2	100	60	-	-	40	2	-	2	Social Changes in the Life of the Elderly : Roles and Processes	SS 222
2	100	60	-	-	40	2	-	2	The Elderly and Leisure Time	SS 223
2	100	60	-	-	40	2	-	2	The Elderly and Social Participation	SS 224
2	100	60	-	-	40	2	-	2	The Elderly and the Issues of the International Community	SS 225

9.Department of Elderly Arts

Specialized courses according to the following tables:

EXAM TIME						CREDIT HOURS			COURSE	code
	total	Final exam			Semester work	total	Prac.	Lec		
		Lec	Practical	oral						
2	100	60	-	-	40	2	-	2	Studies in the arts of Human Civilization	AS 111
2	100	60	-	-	40	2	-	2	Technical formation Types	AS 112
2	100	60	-	-	40	2	-	2	Design of Publications and guidelines for elderly	AS 113
2	100	60	-	-	40	2	-	2	Theories use Colors and Lighting for elderly	AS 114
2	100	60	-	-	40	2	-	2	Basic Materials Technology and Assistance for elderly	AS 115
2	100	60	-	-	40	2	-	2	Special design for Older products	AS 121
2	100	60	-	-	40	2	-	2	Heritage handicrafts	AS 122
2	100	60	-	-	40	2	-	2	Design and production of artistic, industrial and architectural glass	AS 123
2	100	60	-	-	40	2	-	2	Theories of Visual Communication and Advertising	AS 124
2	100	60	-	-	40	2	-	2	Production technology	AS 125
2	100	60	-	-	40	2	-	2	Design of furniture for the elderly	AS 211
2	100	60	-	-	40	2	-	2	Design clothes for the elderly	AS 212
2	100	60	-	-	40	2	-	2	Design and technology of textile printing for the elderly	AS 213
2	100	60	-	-	40	2	-	2	Economics of designing productive projects for the elderly	AS 214
2	100	60	-	-	40	2	-	2	Philosophy of Beauty	AS 215
2	100	60	-	-	40	2	-	2	Design of equipment and equipment for the elderly	AS 221
2	100	60	-	-	40	2	-	2	Finishing technology for roofs of products for the elderly	AS 222
2	100	60	-	-	40	2	-	2	Design and technology of models, ceramic molds and Mental plumbing	AS 223

2	100	60	-	-	40	2	-	2	Industrial product marketing	AS 224
2	100	60	-	-	40	2	-	2	Management of Design and development processes	AS 225

9.Department of Elderly sporting and recreation

EXAM TIME						CREDIT HOURS			COURSE	code
	total	Final exam			Semester work	total	Prac.	Lec		
		Lec	Practical	oral						
2	100	60	-	-	40	2	-	2	Fundamentals physical education and sports for elderly	SR 111
2	100	60	-	-	40	2	-	2	Sports for all	SR 112
2	100	60	-	-	40	2	-	2	Methods of Teaching physical education and sports for elderly	SR 113
2	100	60	-	-	40	2	2	1	Fitness for The Elderly	SR 114
2	100	60	20	-	20	2	2	1	Bat Sports (Table ball-Speed ball)	SR 115
2	100	60	-	-	40	2	-	2	Leisure and Recreation for The Elderly	SR 121
2	100	60	-	-	40	2	-	2	The Possibilities and Facilities in the of sport Recreation For The Elderly	SR 122
2	100	60	20	-	20	2	2	1	Exercise for The Elderly	SR 123
2	100	60	20	-	20	2	2	1	Bat Sports (Tennis-racket)	SR 124
2	100	60	-	-	40	2	-	2	Research Methods	SR 125
2	100	60	-	-	40	2	-	2	The management in sports	SR 211
2	100	60	-	-	40	2	-	2	Sports media and public relation	SR 212
2	100	60	-	-	40	2	-	2	Measurement and evaluation in physical education and sports	SR 213
2	100	60	20	-	20	2	2	1	Crockery	SR 214
2	100	60	20	-	20	2	2	1	Volleyball	SR 215
2	100	60	-	-	40	2	-	2	Foundations kinesiology	SR 221

2	100	60	-	-	40	2	-	2	Leadership in the sports for elderly	SR 222
2	100	60	-	-	40	2	-	2	Camps and recreation	SR 223
2	100	60	20	-	20	2	2	1	Small games and Competitions for the Elderly	SR 224
2	100	60	20	-	20	2	2	1	Swimming for the Elderly	SR 225