

TAMIL NADU AGRICULTURAL UNIVERSITY

**B.Sc. (Home Science)
Syllabi (2007-11)**

**HOME SCIENCE COLLEGE AND RESEARCH INSTITUTE
MADURAI – 625 104**

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B.Sc. (Home Science) – 2007

CORE COURSES

	COURSES	Credit Hours
1.	Principles of food science	2+1
2.	Fundamentals of nutrition	2+1
3.	Therapeutic and applied nutrition	2+1
4.	Technology of foods	2+1
5.	Food hygiene, public health and sanitation	2+1
6.	Fundamentals of art and design	2+1
7.	Introduction to family resource management	2+1
8.	Housing and space management	2+1
9.	Introduction to ergonomics	2+1
10.	Early and late childhood development	2+1
11.	Organization and administration of early childhood care and education (ECCE) programme	2+1
12.	Developmental psychology of young children	2+1
13.	Guidance and assessment techniques of young children	1+1
14.	Study of textile fibres	2+1
15.	Fundamentals of textile designing	2+1
16.	Garment construction	1+2
17.	Fashion designing	1+2
18.	Extension education and rural development	2+1
19.	Programme planning, implementation and evaluation	2+1
20.	Communication and extension methodology for transfer of technology	2+1
21.	Entrepreneurship development	2+1
22.	Gender issues and women development	1+1
23.	Principles of Crop Production	2+1
TOTAL		42+25=67

SUPPORTING COURSES

	Courses	Credit Hours
1.	Food microbiology	2+1
2.	Biochemistry	2+1
3.	Food engineering	2+1
4.	Human physiology	1+1
	TOTAL	7+4=11

SYLLABUS ABSTRACT

S. No.	Particulars	Number of Courses	Credit Hours
1.	University Courses	11	15+13 = 28
2.	Core Courses	23	42+25 = 67
3.	Supporting Courses	4	7+4 = 11
4.	Professional Elective Courses	6	18
5.	RuHWE	6	11
	TOTAL	50 (39 + 11)	135

Total Number of Courses : 39
33 + 6 (Professional Elective Courses)

University courses : 28 credits

Others : 107 credits

Total credits : 135 credits

I YEAR – I SEMESTER COURSES

S.No	Name of the Courses	Credit Hours
1.	Principles of food science	2+1
2.	Principles of crop production	2+1
3.	Applied physical sciences	2+1
4.	Introduction to computer technology and programming languages (Off-class mode)	0+2
5.	Applied mathematics	2+1
6.	NCC/NSS (Off-class mode)	0+1
7.	Physical education (Off-class mode)	0+1
	TOTAL	8 + 8 = 16

PROFESSIONAL ELECTIVE COURSES

Food Science and Nutrition

	Courses	Credit Hours
1.	Processing of food grains	2+1
2.	Fruits and vegetable processing technology	2+1
3.	Convenience foods	1+2
4.	Bakery and confectionary technology	1+2
5.	Processing of animal foods	2+1
6.	Catering management	2+1
	TOTAL	10+8=18

Family Resource Management

	Courses	Credit Hours
1.	Design, drafting and perspective planning	1+2
2.	Home landscaping and designing	1+2
3.	Computer aided interior designing	1+2
4.	Institutional housekeeping	2+1
5.	Use and care of household equipment	2+1
6.	Fuel and energy management	2+1
	TOTAL	9+9 =18

Human Development

	Courses	Credit Hours
1.	Life span development	2+1
2.	Family and community nutrition	2+1
3.	Family crisis and counseling techniques	2+1
4.	Management of children with developmental challenges	2+1
5.	Development relationships in adolescence	2+1
6.	Parent and community intervention programme for young children	2+1
	TOTAL	12+6 =18

Apparel Designing and Fashion Technology

	Courses	Credit Hours
1.	Computer aided textile designing	1+2
2.	Traditional costumes of India	2+1
3.	Fashion merchandising	2+1
4.	Designing through dyeing and printing	1+2
5.	Apparel industry management	2+1
6.	Fashion illustration	1+2
	TOTAL	9+9 = 18

Home Science Extension Education

	Courses	Credit Hours
1.	Multimedia technology	2+1
2.	Journalism	2+1
3.	Group technique	2+1
4.	Public relation and social marketing	2+1
5.	Financial management	2+1
6.	Retail management	2+1
	TOTAL	12+6 = 18