

KANNUR UNIVERSITY

(Abstract)

B.Sc Home Science-Scheme & Syllabus of Core Courses (I &II Semesters only) under Choice Based Credit Semester System for Under Graduate Programme-implemented with effect from 2009 admission-Orders Issued.

ACADEMIC BRANCH

No.Acad/C2/3616/2007

Dated, K.U.Campus. P.O,10-07-2009.

Read: 1.Minutes of the meeting of the Board of Studies in Home Science (Cd) held

on 24-06-2009.

2. Minutes of the meeting of the Faculty of Science held on 16-06-2009.

3. U.O No.Acad/C2/3838/2008 (i) dated 07-07-2009

4. Letter dated 02-07-2009 from the Chairperson, BOS Home Science (Cd).

ORDER

1.The Board of Studies in Home Science (Cd) vide paper read(1) above has prepared and finalised the Scheme and Syllabus of B.Sc Home Science Core Courses under Choice Based Credit Semester System for implementation from 2009 admission.

2. The recommendations of the Board in restructuring the syllabus is considered by the Faculty of Science vide paper read (2) and recommended for the approval of the Academic Council.

3. The Regulations for Choice based Credit Semester System is implemented in this University vide paper read (3).

4. The Chairperson, BOS in Home Science(Cd),vide paper read (4) has forwarded the restructured scheme and syllabus of B.Sc Home Science Core Courses (I&II Semesters only) under Choice Based Credit Semester System, prepared by the Board of Studies in Home Science(Cd) for implementation with effect from 2009 admission.

5. The Vice Chancellor, after examining the matter in detail, and in exercise of the powers of the Academic Council as per section 11(1) of Kannur University Act 1996 and all other enabling provisions read together with, has accorded sanction to implement the scheme and syllabus of B.Sc Home Science Core Courses (I&II Semesters only) restructured in line with Choice Based Credit Semester System,with effect from 2009 admission, subject to ratification by the Academic Council.

6. The restructured scheme and syllabus of B.Sc Home Science Core Courses (I&II Semesters only) under Choice Based Credit Semester System, implemented with effect from 2009 admission is appended.

7. The Scheme and Syllabus of Complementary Courses offered for this Programme will be available along with the syllabus of Core Courses of the Complementary subject.

8. The affiliated Colleges are not permitted to offer Complementary Courses in violation to the provisional/permanent affiliation granted by the University. Changes in Complementary Courses are permitted with prior sanction /revision in the affiliation order already issued in this regard.

9. If there is any inconsistency between the Regulations for CCSS and its application to the Scheme & Syllabus prepared, the former shall prevail.

10. Orders are issued accordingly.

To:

Sd/-
REGISTRAR

1. The Principals of Colleges offering B.Sc Home Science Programme
2. The Examination Branch (through PA to CE)

Copy To:

1. The Chairperson, BOS Home Science (Cd)
2. PS to VC/PA to PVC/PA to Regr
3. DR/AR I Academic
4. Central Library
5. SF/DF/FC.

Forwarded/By Order

SECTION OFFICER



KANNUR UNIVERSITY

*Course Structure
and
Syllabus*

FOR

UNDERGRADUATE PROGRAMME

IN

HOME SCIENCE

UNDER

CHOICE BASED CREDIT SEMESTER SYSTEM

w.e.f 2009 ADMISSION

COURSE STRUCTURE FOR UG PROGRAMME

HOME SCIENCE

Semester I

No.	Course Title	Hrs /wk	Hrs /Sem	Credit
1	Common Course English I	5	90	4
2	Common Course English II	4	72	3
3	Common Course Additional Language I	4	72	4
4	Core I	4	72	4
5	Complementary I (Course I)	4	72	3
6	Complementary II (Course I)	4	72	3

Semester II

No.	Course Title	Hrs /wk	Hrs /Sem	Credit
1	Common Course English III	5	90	4
2	Common Course English IV	4	72	3
3	Common Course Additional Language II	4	72	4
4	Core II	4	72	3
5	Complementary I (Course II)	4	72	3
6	Complementary II (Course II)	4	72	3

Semester III

No.	Course Title	Hrs /wk	Hrs /Sem	Credit
1	Common Course (General)	5	90	4
2	Common Course (General)	5	90	4
3	Core III	5	90	4
4	Complementary I (Course III)	5	90	3
5	Complementary II (Course III)	5	90	3

Semester IV

No.	Course Title	Hrs /wk	Hrs /Sem	Credit
1	Common Course (General)	5	90	4
2	Common Course (General)	5	90	4
3	Core IV	5	90	3
4	Complementary I (Course IV)	5	90	3
5	Complementary II (Course IV)	5	90	3

Semester V

No.	Course Title	Hrs /wk	Hrs /Sem	Credit
1	Core V	4	72	4
2	Core VI	5	90	4
3	Core VII	5	90	4
4	Core VIII	4	72	3
5	Core IX	5	90	4
6	Open Course 1	2	36	2

Semester VI

No.	Course Title	Hrs /wk	Hrs /Sem	Credit
1	Core X	5	90	4
2	Core XI	5	90	4
3	Core XII	5	90	4
4	Core XIII Elective	4	72	4
5	Core XIV Project	4	72	3
6	Open Course II	2	36	2

The Hours/Credits for Complementary Theory/Practical will be decided by the Board of Studies concerned.

Scheme Home Science(Core)

Semester	Course Code	Course Title	Hours/week	Credit	Duration of Examn
I	1B01HSC	General perspectives of Home Science and Research Methodology.	4	4	3
II	2B02 HSC	Child Development and Welfare -Theory	2	2	3
		„ - Practical	2	1	-
III	3B03 HSC	Food Science - Theory	3	3	3
		„ - Practical	2	1	-
IV	4B04 HSC	Physiology and Microbiology	5	5	3
V	5B05 HSC	Family Relations and Counseling	4	4	3
V	5B06 HSC	Resource Management - Theory	3	3	3
		„ - Practical	2	1	-
V	5B07 HSC	Textile Science - Theory	3	3	3
		„ - Practical	2	1	-
V	5B08 HSC	Principles of Nutrition - Theory	2	2	3
		„ - Practical	2	1	-
V	5B09 HSC	Normal and Therapeutic Nutrition - Theory	3	3	3
		„ - Practical	2	1	3
VI	6B10 HSC	Housing and Interior Designing - Theory	3	3	3
		„ - Practical	2	1	-
VI	6B11 HSC	Apparel Designing - Theory	3	3	3
		„ - Practical	2	1	3
VI	6B12 HSC	Extension Education and Informatics in Home Science - Theory	3	3	3
		„ - Practical	2	1	-
VI	6B13 HSC	<u>Elective</u> 1. General Psychology 2. Institution Management 3. Catering Science and Technology 4. Computer Application	4	4	3
VI	6B14 HSC	Project	4	3	-

Scheme Open Courses

Semester	Course Code	Course Title	Hrs/Week	Credit	Duration of Examm
V	5D01 HSC	Guidance and Counseling	2	2	3
VI	6D02 HSC	Food Processing and Preservation	2	2	3

*** 5B08 HSC and 5B09 HSC Practical examination (ESE) will be held at the end of 5th Semester.

*** 5B07 HSC and 6B11 HSC Practical examination (ESE) will be held at the end of the 6th Semester.

*** 5B06 HSC and 6B10 HSC Residence course (practical) will be conducted in the 6th Semester.

Evaluation

The evaluation scheme of each course shall contain two parts

- Continuous Evaluation (CE)
- End – Semester Evaluation (ESE)

Direct grading using a 5- point scale will be used for CE and ESE. 25 % weight shall be given for CE and 75 % weight shall be given for ESE.

End – Semester Evaluation in Practical Courses shall be conducted and evaluated by two examiners – one internal and the other external. Theory and practical examinations (ESE) for Core and Open courses shall be of 3 hours duration.

Components of Continuous Evaluation - CE (Theory)

The continuous evaluation (CE) shall be based on periodic written tests, assignments, seminar and attendance in respect of theory courses. Weight 5 will be given to each theory course and that may be distributed as follows:

Attendance	-	weight 1
Assignment	-	weight 1
Seminar	-	weight 1
Test Paper	-	weight 2

Written Tests : Each test paper may have a duration of minimum one hour. For each course there shall be a minimum of three written tests and the best two are to be taken.

Assignments : Each student is required to submit one assignment for a theory course.

Seminar: For each theory course, performance of a student shall also be assessed by conducting a seminar presentation based on topics in that course.

Attendance

Percentage	Grade
90% and above	A
85 to 89%	B
80 to 84%	C
75 to 79%	D
Below 75%	E

Assignment and Seminar

Performance	Grade
Excellent	A
Very Good	B
Good	C
Average	D
Poor	E

Project: The continuous evaluation (CE) of project is based on attendance, test, project presentation and project report. Weights will be distributed as follows;

Attendance	-	weight 1
Test	-	weight 1
Project presentation	-	weight 1
Project report	-	weight 2

**Over all weight for Theory courses – Core and open (Internal) = 70
+ 10**

Components of Continuous Evaluation - CE (Practical)

I. Core courses 5B08 HSC and 5B09 HSC

Lab skill	-	weight 1
Practical test	-	weight 2
Practical record	-	weight 1

II. Core courses 5B07 HSC and 6B11 HSC

Lab skill	-	weight 1
Practical test	-	weight 2
Practical record	-	weight 1
Garments	-	weight 1

III. Core courses 5B06 HSC and 6B10 HSC

Residence Course	-	weight 2
Practical record	-	weight 1

IV. Core courses 2B02 HSC

Practical record	-	weight 1
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V. Core course 6B12 HSC

Viva Voce	-	weight 1
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Over all weights for practical – Core courses (Internal) = 14

End – Semester Evaluation (ESE) – Core Courses and Open Courses - (Theory)

PATTERN OF QUESTIONS and DISTRIBUTION OF WEIGHTS

Time: 3 hrs/ Course

Section A	Objective Type	4 bunches of questions (weight 1 per bunch) -
	weight 4	
Section B	Short Answer	10 questions out of 12 (weight 1 each) -
	weight 10	
Section C	Short Essay	6 questions out of 8 (weight 2 each) -
	weight 12	
Section C	Long Essay	1 question out of 2 (weight 4) -
	weight 4	

Total
weight 30

End – Semester Evaluation (ESE) – Core Courses - (Practicals)

Practical I. (Time - 3 hrs.)

I. Core courses 5B08 HSC and 5B09 HSC

A. Food Analysis / Estimation of Nutrients

Food Analysis

Principle	-	weight 1
Procedure	-	weight 1
Calculation	-	weight 1
True value	-	weight 1
Result	-	weight 1

or

Estimation of Nutrients

Minerals	-	weight 1
Carbohydrates	-	weight 2
Proteins	-	weight 1
Result	-	weight 1

B. Diet

Menu planning	-	weight 3
Preparation	-	weight 4
R. D. A	-	weight 1
Calculation of Nutritive value (2 nutrients of 2 food stuff)	-	weight 2

C. Practical Record	-	weight 1
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Grand Total - weight 16

Practical II. (Time - 3 hrs.)

II. Core course 5B07 HSC and 6B11 HSC

A. Fibre Identification (3 Fibres)	-	weight 3
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B. Weave Identification (3 Weaves)	-	weight 3
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C. Construction of the Garment

Draft	-	weight 3
Construction	-	weight 4
Embroidery	-	weight 1
Completion of work	-	weight 1

D. Practical Record	-	weight 1
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Grand Total - weight 16

External Valuations

III. Core courses 5B06 HSC and 6B10 HSC

Practical record - weight 2

IV. Core courses 6B14 HSC)

Project - weight 1

Over all weights for practical (External) - Weight 35

❖ **The SGPA and CGPA for the programme will be calculated as per the regulations of UG programme 2009.**

Varghese

BOS

Home Science (UG)

Sd/-
Dr. Sr. Jessy

Chairman,

CORE COURSE 1B01 HSC

GENERAL PERSPECTIVES OF HOME SCIENCE AND RESEARCH METHODOLOGY

Semester: I

Hours / Week: 4

Hours per semester: 72

Credit :4

Objectives

To enable the students to

1. Orient students towards Home Science
2. Encourage students to apply theoretical knowledge in practical situations.
3. Create awareness about the scope and significance of Home Science
4. Study the meaning of research, principles and procedure to conduct research.

Module I: Aims and Objectives of Home Science Education

Utilitarian, intellectual, social, national and practical aims; Aims at higher levels of Home Science Education.

Objectives: Knowledge, skill or ability, appreciation, attitude understanding, application, interest.

Module II: Nature and Scope of Home Science

Components of Home Science, Correlation of Home Science with other subjects.
Professional Scope of Home Science.

Module III: Importance and Value of Home Science; vocational, cultural, economic, social, aesthetic and moral.

Module IV: Introduction to Research; Meaning, Criteria of Good Research, Importance of Research in Modern world.

Research Design; Survey and Experiment.

Module V: Methods and Tools of Collecting Data; Observation, case study, questionnaire, interview, rating scale.

References:

1. Yadav, S. (2006): Teaching of Home Science,. Anmol Publications pvt. Ltd., New Delhi.
2. Begum, F. (2004): Modern Teaching of Home Science, Anmol Publications Pvt Ltd. , New Delhi.
3. Bandarkar, P.L. and Wilkinson T.S. (2000): Methodology and Techniques of social research, Himalayan Publishing house, Mumbai.
4. Bhatnagar, G.L. (1990): Research Methods and Measurements in Behavioural and Social sciences, agri. Cole Publishing Academy New Delhi
5. Dwivedi, R.S. (1998): Research Methods in Behavioural Sciences, McMillan India Ltd. New Delhi.

CORE COURSE 2B02 HSC
CHILD DEVELOPMENT AND WELFARE

Semester: II

Hours / Week: 4

Hours per semester: 72

Credit: 3

Objectives

1. To introduce the student to the excitement and challenges of studying children (from conception to adolescence)
2. To provide scientific knowledge about child-development, behaviour and welfare, and to enable to improve the quality of life of the child family and community.
3. To develop skills in the care and management of children.
4. To help the students to understand childhood problems, the challenged children, their problems, special needs, care and management.

Module I:

Child development, significance, scope, methods of child study, Concept of child and family welfare programmes state, national and international.

Module: II

Growth and development – definition, principles, stages of development, factors influencing, importance of heredity and environment.

Module III:

Prenatal development- Stages and factors influencing physical and mental health of pregnant women, teratogens, Rh incompatibility, hazards, preparation for the arrival of the baby.

Module IV:

Stages of labours, normal and caesarean – new techniques of delivery, pre mature, LBW babies. The neonate – characteristics, abilities, and adjustments, reflexes – apgar test, neonatal care.

Module V: Infancy, Babyhood, early childhood and late childhood-physical, motor, social, emotional, intellectual, language, moral and religious development during the above stages. Mile stones in development, developmental delay – Factors influencing.

Module VI: Adolescence: Characteristics, development in different areas, Needs and problems, importance of guidance and counselling.

Module VII: Play- significance, theories, types, selection of toys.

Module VIII: Discipline -Techniques of discipline, essentials of discipline.

Habit formation- definition, principles underlying habit formation.

Needs and rights of children.

Module IX: Preschool education objectives, type.

Module X: Challenged children – definition, general classification, identification, and needs for special education.

Module XI: Behavioural problems in children classification and causes methods of handling.

Related Practical Experiences

1. Visit to a baby friendly hospital, observe the functioning and prepare a report. Observation of a new born and the various reflexes.
2. Observation of various developments in a child of any age boy / girl viz. physical, motor, emotional, intellectual and language development following any method of child study.
3. Visit to any one substitute child care centre / pre school / children's home / orphanage / specials schools.
4. One day participation in the activities of an anganwadi and report the experience.
5. Socio metric study of children / Adolescence.
6. Discuss common adolescence problems / or any common problems faced by a girl / child / woman – interactive session.
7. Experience in using a growth chart (record the height and weights)
8. Discuss the behaviour problems in early childhood in a school preschool set up (write a case study report)
9. Make a list exhibit or exhibit Toys, gifts, clothes, first aid box, books, stories songs etc suitable for each stage of development.
10. Make a list of toys and vocational activities suitable for children with problems on physically or mentally challenged children.
11. Preparation of indigenous low cost toy.
12. Teaching children a skill / a craft introduce a hobby or any creative work.
13. Only a list for practical are given from that you can choose for every batch limiting to only 5 practical every year.

References:

1. Hurlock. E.B. Developmental psychology Tata Mc Graw hill publishing company Ltd. New Delhi.
2. Devadas R.P A text book of Child Development and Jaya N. Mac Millan India Ltd. Delhi.
3. Suriyakanthi: Child Development, Kavitha Publications, Gandhi Gram, Tamilnadu.
4. Hurlock E. B. Child Development Tata HC Grawshill Publishing Company Ltd.

Sd/-

**Dr.Sr.JessyVarghese,
Chairperson,BOS Home
Science(Cd)**