

## 1. Clothing & Textiles

### M.Sc. Clothing & Textiles

#### Core Courses (13 credits)

HCT-528	Fibre Science	3(3-0-0)
HCT-529	Advanced Pattern Making	3(0-0-3)
HCT-530	Advanced Textile Designing	3(1-0-2)
HCT-531	Textile Quality Analysis	3(2-0-1)
HCT-600	Master's Seminar	1
<b>Sub Total</b>		<b>13</b>

#### Basic Supporting Courses (8 credits)

BPS-561	Statistical Methods	3(2-0-1)
HEX-580	Research Methods in Human Ecology	2(1-0-1)
BPC-614	Spectroscopic and Chromatographic Techniques	3(2-0-1)
<b>Sub Total</b>		<b>8</b>

#### Optional/ Minor Courses (9 credits)

#### Thesis Research (20 credits)

HCT-690	Master's Thesis Research	20
<b>Total</b>		<b>50</b>

## Ph.D. Clothing & Textiles

### Core Courses (11 credits)

HCT-724	Functional Clothing	3(2-0-1)
HCT-725	Technical Textiles	3(3-0-0)
HCT-726	Textile Ecology	3(3-0-0)
HCT-788	Doctoral Seminar-I	1
HCT-789	Doctoral Seminar-II	1
<b>Sub Total</b>		<b>11</b>

### Basic Supporting Courses (4 credits)

BPS-661	Experimental Statistics	4(3-0-1)
<b>Sub Total</b>		<b>4</b>

### Optional Courses (5 credits)

<b>Minor Courses (10 credits)</b>		<b>10</b>
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### Thesis Research (45 credits)

HCT-790	Ph.D. Thesis Research	45
<b>Total</b>		<b>75</b>

### Compulsory Courses for Minor for Other Disciplines

HCT-528	Fibre Science	3(3-0-0)
HCT-531	Textile Quality Analysis	3(2-0-1)

\*Minor Package may be from the Department of Agricultural Communication, Computers, Environmental Sciences, Agricultural Economics, Family Resource Management, Human Development and Family Studies and Chemistry.

## Remedial Courses

**Remedial\* Courses for the PG students who did graduation with three year degree programme**

Sl. No.	Course No.	Course Title	Credit Hours
1	HCT-406	Retailing and Merchandising- Textiles and Apparel	3(3-0-0)
2	HCT-407	Computer Aided Designing -I	4(0-0-4)
3.	HCT-408	Garment Manufacturing-Flat pattern	5(1-0-4)
4.	HCT-409	Fashion Illustrations	5(1-0-4)
5.	HCT-410	Apparel Manufacturing Technology	3(3-0-0)
6.	HCT-411	Computer Aided Designing -II	5(0-0-5)
7.	HCT-412	Garment Manufacturing- Draping	5(1-0-4)
8.	HCT-414	Apparel Industrial Management	3(3-0-0)

**\*24 credit hours have to be taken as remedial courses from above courses.**

## List of Post graduate Courses of the department

HCT-528	Fibre Science	3(3-0-0)
HCT-529	Advance Pattern Making	3(0-0-3)
HCT-530	Advanced Textile Design	3(1-0-2)
HCT-531	Textile Quality Analysis	3(2-0-1)
HCT-532	Textile Industry and Trade	2(2-0-0)
HCT-533	Historic Textiles and Costumes	3(2-0-1)
HCT-534	Textile Finishes	2(1-0-1)
HCT-535	Home Textiles	3(1-0-2)
HCT-536	Advanced Dyeing and Printing	2(1-0-1)
HCT-600	Master's Seminar	1
HCT-601	Special Problem	2
HCT-623	Textile Auxiliaries	2(1-0-1)
HCT-626	Recent Advances in Textile and Apparel Designing	2(2-0-0)
HCT-690	Master Thesis Research	20
HCT-724	Functional Clothing	3(2-0-1)
HCT-725	Technical Textiles	3(3-0-0)
HCT-726	Textile Ecology	3(3-0-0)
HCT-788	Doctoral Seminar-I	1
HCT-789	Doctoral Seminar-II	1
HCT-790	Ph.D. Thesis Research	45

## 2. Family Resource Management

### M. Sc. Family Resource Management

#### Core Courses (16 credits)

HRM-571	Approaches to Resource Management	3(3-0-0)
HRM-572	Consumer Ergonomics	3(2-0-1)
HRM-573	Advanced Housing	3(2-0-1)
HRM-574	Retail Management	3 (2-0-1)
HRM/ AEC-564	Consumption Economics	3(2-0-1)
HRM-600	Master's Seminar	1
	<b>Sub Total</b>	<b>16</b>

#### Basic Supporting Courses (5 credits)

HEX-580	Research Methods in Human Ecology	2 (1-0-1)
BPS-561	Statistical Methods	3(2-0-1)
	<b>Sub Total</b>	<b>5</b>

#### Optional Courses (9 credits)

#### Thesis Research (20 credits)

HRM-690	Master's Thesis Research	20
	<b>Total</b>	<b>50</b>

### Compulsory Courses for Minor for other Disciplines for Masters Students

HRM-571	Approaches to Resource Management	3(3-0-0)
HRM-572	Consumer Ergonomics	3(2-0-1)

### Ph. D. Family Resource Management

#### Core Courses (13 credits)

HRM- 761	Occupational Ergonomics	2(1-0-1)
HRM- 763	Development Issues and Gender	3(2-0-1)
HRM -764	Resource Management Conceptualization and Testing	3(3-0-0)
HRM -765	Globalization and Consumer Economics	3(2-0-1)
HRM -788	Doctoral Seminar-I	1
HRM -789	Doctoral Seminar-II	1
	<b>Sub Total</b>	<b>13</b>

#### Basic Supporting Courses (3 credits)

AAC -730	Advance Communication Research	3(2-0-1)
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#### Optional Courses (4 credits)

#### Minor Courses (10 credits)

#### Thesis Research (45 credits)

HRM-790	Ph.D. Thesis Research	45
	<b>Total</b>	<b>75</b>

### **Compulsory Courses for Minor for other Disciplines for Ph.D. Students**

HRM-761	Occupational Ergonomics	2(1-0-1)
HRM-765	Globalization and Consumer Economics	3(2-0-1)

Minor package may be from the Department of Agricultural Communication, Computers, Public Health, Environmental Sciences, Agricultural Economics, Clothing and Textiles, Human Development and Family Studies.

### **Remedial Courses**

**Remedial\*Courses for the PG students who did graduation with three year degree programme**

<b>Sl. No.</b>	<b>Course No.</b>	<b>Course Title</b>	<b>Credit Hours</b>
1.	HRM-421	Traditional and Contemporary Interior	4(2-0-2)
2.	HRM-422	Applied Craft	4(0-0-4)
3.	HRM-423	Furniture and Furniture Arrangement	4(2-0-2)
4.	HRM-424	Interior Views and Design	4(0-0-4)
5.	HRM-425	Functional Interiors and Space Management for the people with special need	4(2-0-2)
6.	HRM-426	Management of Floor and Floor Coverings	4(1-0-3)
7.	HRM-427	Computer Aided Interior Design	4(0-0-4)
8.	HRM-428	Interior Design Project Management	3(0-0-3)
9.	HRM-429	Scale and Perspective Drawing	4(1-0-3)
10.	HRM-430	Wall and Window Treatment	4(0-0-4)
11.	HRM-431	Fitting and Fixtures	3(2-0-1)
12.	HRM-432	Ornamental Plants with Special Effects	4(1-0-3)
13.	HRM-433	Professional Practices	3(2-0-1)
14.	HRM/ AEC-496	Entrepreneurship	4(2-0-2)

**\*24 credit hours have to be taken as remedial courses from above courses.**

## List of Post graduate Courses of the department

HRM/ AEC-564	Consumption Economics	3(2-0-1)
HRM-571	Approaches to Resource Management	3(3-0-0)
HRM-572	Consumer Ergonomics	3(2-0-1)
HRM-573	Advanced Housing	3(2-0-1)
HRM-574	Retail Management	3(2-0-1)
HRM-575	Human Resource Management	2(2-0-0)
HRM-577	Consumer Communication Media	3(1-0-2)
HRM-578	Energy Conservation in Building Design	3(2-0-1)
HRM-600	Master's Seminar	1
HRM-601	Special Problem	2
HRM-624	Measurement Techniques in Social Sciences	3(2-0-1)
HRM-690	Master's Thesis Research	20
HRM-731	Environmental Issues & Challenges	3(3-0-0)
HRM-732	Managerial Dimensions for Special Groups	3(2-0-1)
HRM-761	Occupational Ergonomics	2(2-0-1)
HRM-763	Developmental Issues and Gender	3(2-0-1)
HRM-764	Resource Management Conceptualization & Testing	3(3-0-0)
HRM-765	Globalization and Consumer Economics	3(2-0-1)
HRM-766	Consumer Product Design	3(1-0-2)
HRM-788	Doctoral Seminar-I	1
HRM-789	Doctoral Seminar-II	1
HRM-790	Ph.D. Thesis Research	45

### 3. Foods & Nutrition

#### M.Sc. Foods & Nutrition

##### Core Courses (13 credits)

HFN-551	Advanced Nutrition	3 (3-0-0)
HFN-552	Advances in Community Nutrition	3 (1-0-2)
HFN-553	Analysis and Quality Assessment of Foods	4 (1-0-3)
HFN-545	Substitute Foods and Evaluation	2 (1-0-1)
HFN-600	Master' Seminar	1
<b>Sub Total</b>		<b>13</b>

##### Basic Supporting Courses (8 credits)

HEX-580	Research Methods in Human Ecology	2 (1-0-1)
BPS-561	Statistical Methods	3 (2-0-1)
BBC-501	General Biochemistry	3 (3-0-0)
<b>Sub Total</b>		<b>8</b>

##### Optional/ Minor Courses (9 credits)

##### Thesis Research (20 credits)

HFN-690	Master's Thesis Research	20
<b>Total</b>		<b>50</b>

#### Ph.D. Human Nutrition

##### Core Courses (12 credits)

HFN-740	Advanced Metabolic Aspects of Nutrition	3 (3-0-0)
HFN-741	Nutritional Epidemiology	3 (2-0-1)
HFN-742	Nutrition and Policy Planning	2 (2-0-0)
HFN-748	Advances in Vitamins and Hormones	2 (2-0-0)
HFN-788	Doctoral Seminar-I	1
HFN-789	Doctoral Seminar-II	1
<b>Sub Total</b>		<b>12</b>

##### Basic Supporting Courses (4 credits)

BPS-661	Experimental Statistics	4 (3-0-1)
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##### Optional Courses (4 credits)

##### Minor Courses (10 credits)

##### Thesis Research (45 credits)

HFN-790	Ph.D. Thesis Research	45
<b>Total</b>		<b>75</b>

**Note:** Compulsory courses for Ph.D. students from other than Foods and Nutrition stream or for those who have not studied the following courses in their M.Sc. Programme.

BPS-561	Statistical Methods	3 (2-0-1)
HFN-553	Analysis and Quality Assessment of Foods	4 (1-0-3)

##### Compulsory Courses for Minor for other Disciplines

HFN-551	Advanced Nutrition	3 (3-0-0)
HFN-552	Advances in Community Nutrition	3 (1-0-2)

## Remedial Courses

### 1. Remedial\* Courses for M. Sc. students of B.Sc. (H.Sc.) of three year degree programme and B.Sc. (Food Technology) of three years degree programme.

Sl. No.	Course No.	Course Title	Credit Hours
1.	HFN-441	Human Nutrition	4 (4-0-0)
2.	HFN-442	Public Health Nutrition	4 (3-0-1)
3.	HFN-444	Introduction to Clinical Nutrition	4 (3-0-1)
4.	HFN-447	Food Chemistry	4 (3-0-1)
5.	HFN-448	Food hygiene and Sanitation	4 (2-0-2)
6.	HFN-449	Food Analysis	4 (2-0-2)
7.	HFN-450	Food Preservation	4 (2-0-2)
8.	HFN-454	Food Standards and Quality Control	4 (2-0-2)

**\*24 credit hours have to be taken as remedial courses from above courses.**

### 2. Remedial Courses for students of B.Sc. (H.Sc.) of four years degree programme who have studied vocational other than Foods and Nutrition.

1.	HFN-445	Diet therapy and Nutrition Counselling	5 (2-0-3)
2.	HFN-449	Food Analysis	4 (2-0-2)

## List of Post graduate Courses of the department

HFN-551	Advanced Nutrition	3 (3-0-0)
HFN-545	Substitute Foods and Evaluation	2 (1-0-1)
HFN-547	Food Service Management	2 (1-0-1)
HFN-552	Advances in Community Nutrition	3 (1-0-2)
HFN-553	Analysis and Quality Assessment of Foods	4 (1-0-3)
HFN-554	Advanced Food Science	3 (2-0-1)
HFN-600	Master' Seminar	1
HFN-601	Special Problem	1
HFN-642	Practical Nutritional Care in Disease	1 (0-0-1)
HFN-647	Nutrition During Life Cycle	3 (3-0-0)
HFN-648	Advanced Diet Therapy	3 (3-0-0)
HFN-649	Nutrition Research Techniques	3 (2-0-1)
HFN-650	Nutraceuticals and Functional Foods	3 (2-0-1)
HFN-690	Master's Thesis Research	20
HFN-740	Advanced Metabolic Aspects of Nutrition	3 (3-0-0)
HFN-741	Nutritional Epidemiology	3 (2-0-1)
HFN-742	Nutrition and Policy Planning	2 (2-0-0)
HFN-747	Advances in Carbohydrates, Proteins and Lipids	4 (3-0-1)
HFN-748	Advances in Vitamins and Hormones	2 (2-0-0)
HFN-749	Minerals in Human Nutrition	3 (2-0-1)
HFN-788	Doctoral Seminar-I	1
HFN-789	Doctoral Seminar-II	1
HFN-790	Ph.D. Thesis Research	45

#### 4. Human Development & Family Studies

##### M.Sc. Human Development & Family Studies

###### Core Courses (15 credits)

HHD 510	Theories of Human Development and Behaviour	3(3-0-0)
HHD 511	Advances in Life Span Development	3(2-0-1)
HHD 512	Management of Innovative Programme in Early Childhood Care and Education	3(1-0-2)
HHD 513	Interventions for Children with Development Challenges	3(1-0-2)
HHD 514	Cross Cultural Perspective in Family Studies	2(2-0-0)
HHD 600	Master's Seminar	1
	<b>Sub Total</b>	<b>15</b>

###### Basic Supporting Courses (7 credits)

BPS 561	Statistical Methods	3(2-0-1)
HEX 580	Research Methods in Human Ecology	2(1-0-1)
MAM 580	Management functions and Organizational Behaviour	2(2-0-0)
	<b>Sub Total</b>	<b>7</b>

###### Optional/ Minor Courses (8 credits)

###### Thesis Research (20 credits)

HHD-690	Master's Thesis Research	20
	<b>Total</b>	<b>50</b>

###### Compulsory Courses for Minor for Other Disciplines

HHD 511	Advances in Life Span Development	3(2-0-1)
HHD 518	Appraisal of Child And Family Welfare Institutions	2(1-0-1)

#### Remedial Courses

**Remedial\* Courses for students of B.Sc. (H.Sc.) of three year degree programme and B.Sc. (Food Technology) of three years degree programme.**

Sl. No.	Course No.	Course Title	Credit Hours
1.	HHD 461	Curriculum for Young Children	3(3-0-0)
2.	HHD 462	Family and Child Welfare	3(3-0-0)
3.	HHD 463	Methods and Materials for Teaching Young Children 1	4(3-0-1)
4.	HHD 464	Methods and Materials for Teaching Young Children II	2 (1-0-1)
5.	HHD 465	Child Psychology	5 (4-0-1)
6.	HHD 467	Early Childhood Education and Management	4 (3-0-1)
7.	HHD 468	Developmental Assessment of Young Children	4 (3-0-1)
8.	HHD 470	Children with Special Needs	5 (3-0-2)
9.	HHD 471	Guiding Young Child's Growth, Behaviour and Development	2 (2-0-0)

**\*24 credit hours have to be taken as remedial courses from above courses.**

### **List of Post graduate Courses of the department**

HHD 510	Theories of Human Development and Behaviour	3(3-0-0)
HHD 511	Advances in Life Span Development	3(2-0-1)
HHD 512	Management of Innovative Programme in Early Childhood Care and Education	3(1-0-2)
HHD 513	Interventions for Children with Development Challenges	3(1-0-2)
HHD 514	Cross Cultural Perspective in Family Studies	2(2-0-0)
HHD 515	Guidance and Counseling	3(1-0-2)
HHD 516	Adolescent development and Challenges	2(1-0-1)
HHD 517	Planning And Managing Parenting Education	3(1-0-2)
HHD 518	Appraisal of Child And Family Welfare Institutions	2(1-0-1)
HHD 519	Development of Print Materials and Children's Literature	3(1-0-2)
HHD 520	Family Support Services and therapy	3(1-0-2)
HHD 600	Master's Seminar	1
HHD 601	Special Problem	2(0-0-2)
HHD 602	Environmental Factors and Cognition	1(1-0-0)
HHD 603	Programme Development for vulnerable Families	3(2-0-1)
HHD 604	Principles and Strategies in Developmental Interventions	3(2-0-1)
HHD-690	Master's Thesis Research	20