

**SHAHEED BABA DEEP SINGH**  
**Department of Home Science**  
**FACULTY OF ARTS & SOCIAL SCIENCES**

Email ID- [hsc@subharti.org](mailto:hsc@subharti.org), Website – [www.subharti.org](http://www.subharti.org), Contact No. 91-9639010541,



**SWAMI VIVEKANAND SUBHARTI UNIVERSITY**

Subhartipuram, NH-58, Delhi Haridwar Meerut Bypass Road, Meerut-250005  
Ph. 0121-2439578, 2439052, 3058031, Ext. 2804, Telefax: 0121-2439067 e-mail:hsc@subharti.org

## **OUTCOME ANALYSIS**

**(MAPPING OF CO- PO AND ATTAINMENT)**

**Session 2018-19**

**Department of Home Science**

**SWAMI VIVEKANAND SUBHARTI UNIVERSITY**



**Programme**

**B.Sc. Home Science**

**SHAHEED BABA DEEP SINGH**  
**Department of Home Science**  
**FACULTY OF ARTS & SOCIAL SCIENCES**

Email ID- [hsc@subharti.org](mailto:hsc@subharti.org), Website – [www.subharti.org](http://www.subharti.org), Contact No. 91-9639010541,



**YAMI VIVEKANAND SUBHARTI UNIVERSITY**

Subhartipuram, NH-58, Delhi Haridwar Meerut Bypass Road, Meerut-250005  
Ph. 0121-2439578, 2439052, 3058031, Ext. 2804, Telefax: 0121-2439067 e-mail:hsc@subharti.org

---

**Programme**

**B.Sc. Home Science**

**Assessment, Attainment Criteria and Levels**

1. Direct Assessment- 80%
  - a. University Exams- 70%
  - b. Sessional Exams- 30 %
2. Indirect Assessment – 20% (Course Exit Survey)

**Sessional Examination**

1. Attainment Level I: 60% of students scoring more than 50% marks out of the maximum marks
2. Attainment Level II: 70% of students scoring more than 50% marks out of the maximum marks
3. Attainment Level III: 80% of students scoring more than 50% marks out of the maximum marks

**University Examination**

1. Attainment Level I: 60% of students scoring more than 50% marks out of the maximum marks
2. Attainment Level II: 70% of students scoring more than 50% marks out of the maximum marks
3. Attainment Level III: 80% of students scoring more than 50% marks out of the maximum marks

**Course Exit Survey**

1. Attainment Level I: Average Score of 60% of students more than 3 (scale of 5)
2. Attainment Level II: Average Score of 70% of students more than 3 (scale of 5)
3. Attainment Level III: Average Score of 80% of students more than 3 (scale of 5)

**SHAHEED BABA DEEP SINGH**  
**Department of Home Science**  
**FACULTY OF ARTS & SOCIAL SCIENCES**



Email ID- [hsc@subharti.org](mailto:hsc@subharti.org), Website – [www.subharti.org](http://www.subharti.org), Contact No. 91-9639010541,

**YAMI VIVEKANAND SUBHARTI UNIVERSITY**

Subhartipuram, NH-58, Delhi Haridwar Meerut Bypass Road, Meerut-250005  
Ph. 0121-2439578, 2439052, 3058031, Ext. 2804, Telefax: 0121-2439067 e-mail:hsc@subharti.org

**PROGRAMME OBJECTIVES**

1. Professional training and skill enhancement in order to provide and widen employment opportunities for women through a continuously updated curriculum, addressing contemporary issues.
2. Equally, updating the process of teaching, networking and developing educational materials based on innovative, interactive and participatory communication strategies.
3. Strengthening linkages with international organizations, government agencies, non-governmental academic institutions, policy makers and the general public with a view to providing employment opportunities for students and enriching the database in research in all fields.
4. Extension education in the field of nutrition and health , women and child development, apparel and fabric design, consumer education and public awareness with a view to better family and community living.

**PROGRAMME OUTCOMES**

1. The graduates will be able to understand and appreciate the role of interdisciplinary sciences in the development and well- being of individuals, families and communities
2. The graduates will be able to understand the sciences and technologies that enhance the quality of life of people
3. The graduates will be able to acquire professional and entrepreneurial skills for economic empowerment of self in particular, and community in general
4. The graduates will be able to develop professional skills in food, nutrition, textiles, housing, product making, communication technologies and human development
5. The graduates will be able to apply scientific knowledge to the outside world

**SHAHEED BABA DEEP SINGH**  
**Department of Home Science**  
**FACULTY OF ARTS & SOCIAL SCIENCES**



Email ID- [hsc@subharti.org](mailto:hsc@subharti.org), Website – [www.subharti.org](http://www.subharti.org), Contact No. 91-9639010541,

**YAMI VIVEKANAND SUBHARTI UNIVERSITY**

Subhartipuram, NH-58, Delhi Haridwar Meerut Bypass Road, Meerut-250005  
Ph. 0121-2439578, 2439052, 3058031, Ext. 2804, Telefax: 0121-2439067 e-mail:hsc@subharti.org

**SEMESTER I**

**HUMAN DEVELOPMENT I: BIRTH, INFANCY AND CHILDHOOD YEARS**  
**(B.Sc.-HS-101)**

**Course Objectives**

1. To learn about fundamental principles & relevance of the subject
2. To study prenatal development
3. To understand growth & development during infancy & early childhood
4. To study the factors influencing development during infancy & early childhood years.

**Course Outcomes**

1. Gain knowledge of variables that influence development throughout the life span and apply this knowledge to become more effective parent's professionals, and citizens of the global community.
2. Relate the scientific knowledge of development from conception to death including the biological, emotional, cognitive, and psychosocial influences in order to make effective personal and professional decisions.
3. Apply critical thinking to analyze and problem solve the developmental concerns from birth to death.
4. Utilize knowledge of prenatal and child development, cognitive foundations of intelligence, and emotional development throughout the lifespan to evaluate and improve human potential.

**CO-PO Mapping of B.Sc.-HS-101**

**Course Outcomes**

	<b>PO1</b>	<b>PO2</b>	<b>PO3</b>	<b>PO4</b>
<b>B.SC.-HS-101. 1</b>	3	2	2	0
<b>B.SC.-HS-101. 2</b>	3	2	2	0
<b>B.SC.-HS-101. 3</b>	3	2	2	1
<b>B.SC.-HS-101. 4</b>	2	2	3	1
<b>Total</b>	<b>11</b>	<b>8</b>	<b>9</b>	<b>2</b>
<b>Average of filled</b>	<b>2.75</b>	<b>2</b>	<b>2.25</b>	<b>1</b>

**SHAHEED BABA DEEP SINGH**  
**Department of Home Science**  
**FACULTY OF ARTS & SOCIAL SCIENCES**



Email ID- [hsc@subharti.org](mailto:hsc@subharti.org), Website – [www.subharti.org](http://www.subharti.org), Contact No. 91-9639010541,

**YAMI VIVEKANAND SUBHARTI UNIVERSITY**

Subhartipuram, NH-58, Delhi Haridwar Meerut Bypass Road, Meerut-250005  
 Ph. 0121-2439578, 2439052, 3058031, Ext. 2804, Telefax: 0121-2439067 e-mail:hsc@subharti.org

**Direct Assessment**

Total Number of Students	% of marks expected	Sessional	End Semester Exams
12	50	100 % of students secured more than 50% of marks	66.6 % of students secured more than 50% of marks
<b>Scored Attainment</b>		<b>3</b>	<b>1</b>

**Calculated Value for direct assessment**

**Sessional** - 30% of 3 =  $30 \times 3 / 100 = .9$

**University End Semester Exams**- 70% of 1 =  $70 \times 1 / 100 = .7$

**Total Direct Assessment Value**=  $.9 + .7 = 1.6$

**Overall calculated Direct Assessment Value**= 80% of 1.6 =  $80 \times 1.6 / 100 = 1.28$

**Indirect Assessment (Course exit survey on 5 scale)**

**Total students**- 12

S. No.	Average score of course exit survey (student wise)
1.	2.6
2.	2.9
3.	2.6
4.	2.8
5.	3.6
6.	3.6
7.	3.8
8.	4
9.	4
10.	3.6
11.	3
12.	3
66.6% of responses are more than 3 scale	
<b>Level</b>	<b>1</b>

**SHAHEED BABA DEEP SINGH**  
**Department of Home Science**  
**FACULTY OF ARTS & SOCIAL SCIENCES**



**VAMI VIVEKANAND SUBHARTI UNIVERSITY**

Email ID- [hsc@subharti.org](mailto:hsc@subharti.org), Website – [www.subharti.org](http://www.subharti.org), Contact No. 91-9639010541,

Subhartipuram, NH-58, Delhi Haridwar Meerut Bypass Road, Meerut-250005  
 Ph. 0121-2439578, 2439052, 3058031, Ext. 2804, Telefax: 0121-2439067 e-mail:hsc@subharti.org

Calculated Value for indirect assessment- 20% of 1=  $20 \times 1 / 100 = 0.2$

Overall Assessment of Attainment of Direct and Indirect Value=  $1.28 + .2 = 1.48$

Matrix to Calculate the Attainment Score of B.Sc. Home Science

Average CO-PO mapped value	Calculated Attainment	PO1	PO2	PO3	PO4	PO 5	PO 6	PO 7
		2.75	2	2.25	1	-	-	-
Attainment score	1.28	$2.75 \times 1.28 / 1 = 3.52$	$2 \times 1.28 / 1 = 2.56$	$2.25 \times 1.28 / 1 = 2.88$	$1 \times 1.28 / 1 = 1.28$	-	-	-
Status of attainment		No	No	No	No	-	-	-

Action plan for attainment of CO-PO for the next year

Sl. no.	
1	Increase the use of AV aids in explaining the concepts of the subject matter to the students
2	Enable students to communicate effectively and improve their standard of competence by encouraging students to give presentations and cross-questioning.
3	Improve quality, promote excellence and innovation and increase autonomy.
4	Deliver appropriate infrastructure for learning environment and make student a part of field work so that he/she is familiarized with actual setting

**SHAHEED BABA DEEP SINGH**  
**Department of Home Science**  
**FACULTY OF ARTS & SOCIAL SCIENCES**

Email ID- [hsc@subharti.org](mailto:hsc@subharti.org), Website – [www.subharti.org](http://www.subharti.org), Contact No. 91-9639010541,



**YAMI VIVEKANAND SUBHARTI UNIVERSITY**

Subhartipuram, NH-58, Delhi Haridwar Meerut Bypass Road, Meerut-250005  
Ph. 0121-2439578, 2439052, 3058031, Ext. 2804, Telefax: 0121-2439067 e-mail:hsc@subharti.org

**SEMESTER I**  
**Fundamentals of Food & Nutrition**  
**(B.Sc.-HS-102)**

**Course Objectives**

1. Understand the role of food and nutrition for the welfare of the community
2. Excel in the area of personal and public health nutrition Faculty of Home Science
3. Apply skill based knowledge in food industry
4. Acquire entrepreneurial skills in the field of food science and nutrition

**Course Outcomes**

1. Comprehend relationship between food, nutrition and health.
2. Understand the functions of food, various food groups, balanced diet and principles of meal planning.
3. Understand functions of various nutrients and their sources & gaining knowledge about clinical manifestations of excess/ deficiency of nutrients
4. Understand the methods of preparation using cookery methods
5. Understanding the requirements in all stages of life span and special conditions

**CO-PO Mapping of B.Sc.-HS-102**

**Course Outcomes**

	<b>PO1</b>	<b>PO2</b>	<b>PO3</b>	<b>PO4</b>
<b>B.SC.-HS-102. 1</b>	3	3	3	2
<b>B.SC.-HS-102. 2</b>	3	2	2	1
<b>B.SC.-HS-102. 3</b>	3	3	3	1
<b>B.SC.-HS-102. 4</b>	3	3	2	2
<b>B.SC.-HS-102. 5</b>	3	2	3	0
<b>Total</b>	15	13	13	6
<b>Average of filled</b>	3	2.6	2.6	1.5

**Direct Assessment**

<b>Total Number of Students</b>	<b>% of marks expected</b>	<b>Sessional</b>	<b>End Semester Exams</b>
---------------------------------	----------------------------	------------------	---------------------------

**SHAHEED BABA DEEP SINGH**  
**Department of Home Science**  
**FACULTY OF ARTS & SOCIAL SCIENCES**



Email ID- [hsc@subharti.org](mailto:hsc@subharti.org), Website – [www.subharti.org](http://www.subharti.org), Contact No. 91-9639010541,

**YAMI VIVEKANAND SUBHARTI UNIVERSITY**

Subhartipuram, NH-58, Delhi Haridwar Meerut Bypass Road, Meerut-250005  
 Ph. 0121-2439578, 2439052, 3058031, Ext. 2804, Telefax: 0121-2439067 e-mail:hsc@subharti.org

12	50	100 % of students secured more than 50% of marks	100 % of students secured more than 50% of marks
<b>Scored Attainment</b>		<b>3</b>	<b>3</b>

**Calculated Value for Direct Assessment-**

**Sessional-** 30% of 3=  $30 \times 3 / 100 = .9$

**University End Semester Exams-** 70% of 3=  $70 \times 1 / 100 = 2.1$

**Total Direct Assessment Value=**  $0.9 + 2.1 = 3$

**Calculated Direct Assessment Value=** 80% of 3=  $80 \times 3 / 100 = 2.4$

**Indirect Assessment (Course Exit Survey on 5 scale)**

**Total students-** 12

S. No.	Average score of course exit survey (student wise)
1.	2.5
2.	3.6
3.	2.9
4.	2.8
5.	3.6
6.	3.6
7.	3.8
8.	4
9.	4
10.	3.6
11.	3
12.	3
75% of responses are more than 3 scale	
<b>Level</b>	<b>2</b>

**Calculated Value-** 20% of 2=  $20 \times 2 / 100 = 0.4$

**Overall Assessment of Attainment of Direct and Indirect Value=**  $2.4 + 0.4 = 2.8$

**SHAHEED BABA DEEP SINGH**  
**Department of Home Science**  
**FACULTY OF ARTS & SOCIAL SCIENCES**



Email ID- [hsc@subharti.org](mailto:hsc@subharti.org), Website – [www.subharti.org](http://www.subharti.org), Contact No. 91-9639010541,

**VAMI VIVEKANAND SUBHARTI UNIVERSITY**

Subhartipuram, NH-58, Delhi Haridwar Meerut Bypass Road, Meerut-250005  
 Ph. 0121-2439578, 2439052, 3058031, Ext. 2804, Telefax: 0121-2439067 e-mail:hsc@subharti.org

**Matrix to Calculate the Attainment Score of B.Sc. Home Science**

	Calculated Attainment							
		PO1	PO2	PO3	PO4	PO5	PO6	PO7
Average PO-CO mapped value	2.4	3	2.6	2.6	1.5	-	-	-
Attainment score		$3 \times 2.4 / 2 = 3.6$	$2.6 \times 2.4 / 2 = 3.12$	$2.6 \times 2.4 / 2 = 3.12$	$1.5 \times 2.4 / 2 = 1.8$			
Status of attainment		No	No	No	Yes			

**Action plan for attainment of CO-PO for the next year**

Sl. no.	
1	Increase the use of AV aids in explaining the concepts of the subject matter to the students
2	Enable students to communicate effectively and improve their standard of competence by encouraging students to give presentations and cross-questioning.
3	Improve quality, promote excellence and innovation and increase autonomy.

**SHAHEED BABA DEEP SINGH**  
**Department of Home Science**  
**FACULTY OF ARTS & SOCIAL SCIENCES**



Email ID- [hsc@subharti.org](mailto:hsc@subharti.org), Website – [www.subharti.org](http://www.subharti.org), Contact No. 91-9639010541,

**YAMI VIVEKANAND SUBHARTI UNIVERSITY**

Subhartipuram, NH-58, Delhi Haridwar Meerut Bypass Road, Meerut-250005  
 Ph. 0121-2439578, 2439052, 3058031, Ext. 2804, Telefax: 0121-2439067 e-mail:hsc@subharti.org

**SEMESTER I**  
**ELEMENTS OF TEXTILE DESIGN**  
**(B.Sc.-HS-103)**

**Course Objectives:**

This course will enable the students-

1. to get an insight of design elements.
2. To enable the students to get knowledge of the colors and color wheel to imply it to textile designing.

**CO-PO Mapping of B.Sc.-HS-103**

**Course Outcomes**

1. Describe textile fibers in terms of their production and properties.
2. Understand various production techniques and properties of yarns.
3. Identify fabrics and relate it to specific product keeping in mind fabric properties and characteristics.
4. Understand various dyeing and printing and finishing techniques

	<b>PO1</b>	<b>PO2</b>	<b>PO3</b>	<b>PO4</b>
<b>B.SC.-HS-103. 1</b>	3	2	3	2
<b>B.SC.-HS-103. 2</b>	3	2	2	2
<b>B.SC.-HS-103. 3</b>	2	2	2	2
<b>B.SC.-HS-103. 4</b>	3	2	3	3
<b>Total</b>	11	8	10	9
<b>Average of filled</b>	2.75	2	2.5	2.25

**Direct Assessment of B.Sc. HS 103**

<b>Total Number of Students</b>	<b>% of marks expected</b>	<b>Sessional</b>	<b>End Semester Exams</b>
12	50	91.6 % of students secured more than 50% of marks	91.6% of students secured more than 50% of marks
<b>Scored Attainment</b>		3	3

**SHAHEED BABA DEEP SINGH**  
**Department of Home Science**  
**FACULTY OF ARTS & SOCIAL SCIENCES**



Email ID- [hsc@subharti.org](mailto:hsc@subharti.org), Website – [www.subharti.org](http://www.subharti.org), Contact No. 91-9639010541,

**SHAH BABA DEEP SINGH VVAMI VIVEKANAND SUBHARTI UNIVERSITY**

Subhartipuram, NH-58, Delhi Haridwar Meerut Bypass Road, Meerut-250005  
 Ph. 0121-2439578, 2439052, 3058031, Ext. 2804, Telefax: 0121-2439067 e-mail:hsc@subharti.org

**Calculated Value-**

Sessional- 30% of 3=  $30 \times 3 / 100 = .9$

End Semester Exams- 70% of 3=  $70 \times 3 / 100 = 2.1$

Total Direct Assessment Value=  $.9 + 2.1 = 3$

Calculated Direct Assessment Value= 80% of 3=  $80 \times 3 / 100 = 2.4$

**Indirect Assessment (on 5 scale)**

Sl. No.	Average score of course exit survey (student wise)
1.	3
2.	3.6
3.	3
4.	4
5.	4
6.	3
7.	3
8.	5
9.	3
10.	3.2
11.	4
12.	3
100% of responses are more than 3 scale	
Level	3

**Calculated Value- 20% of 3=  $20 \times 3 / 100 = 0.6$**

**Overall Assessment of Attainment of Direct and Indirect Value=  $2.4 + 0.6 = 3.0$**

**Matrix to Calculate the Attainment Score of B.Sc. Home Science**

Average CO-PO mapped value	Calculated Attainment							
		PO1	PO2	PO3	PO4	PO5	PO6	PO7
2.4		2.75	2	2.5	2.25	-	-	-
	Attainment	$2.4 \times 2.75 / 3 = 2.2$	$2.4 \times 2 / 3 = 1.6$	$2.4 \times 2.5 / 3 = 2$	$2.4 \times 2.25 / 3 = 1.8$	-	-	-

**SHAHEED BABA DEEP SINGH**  
**Department of Home Science**  
**FACULTY OF ARTS & SOCIAL SCIENCES**

Email ID- [hsc@subharti.org](mailto:hsc@subharti.org), Website – [www.subharti.org](http://www.subharti.org), Contact No. 91-9639010541,



**YAMI VIVEKANAND SUBHARTI UNIVERSITY**

Subhartipuram, NH-58, Delhi Haridwar Meerut Bypass Road, Meerut-250005  
Ph. 0121-2439578, 2439052, 3058031, Ext. 2804, Telefax: 0121-2439067 e-mail:hsc@subharti.org

score								
Status of attainment		No	Yes	Yes	Yes	-	-	-

**Action plan for attainment of CO-PO for the next year**

Sl. no.	
1	Increase the use of AV aids in explaining the concepts of the subject matter to the students

**SHAHEED BABA DEEP SINGH**  
**Department of Home Science**  
**FACULTY OF ARTS & SOCIAL SCIENCES**

Email ID- [hsc@subharti.org](mailto:hsc@subharti.org), Website – [www.subharti.org](http://www.subharti.org), Contact No. 91-9639010541,



**VAMI VIVEKANAND SUBHARTI UNIVERSITY**

Subhartipuram, NH-58, Delhi Haridwar Meerut Bypass Road, Meerut-250005  
 Ph. 0121-2439578, 2439052, 3058031, Ext. 2804, Telefax: 0121-2439067 e-mail:hsc@subharti.org

**SEMESTER II**  
**COMPUTER APPLICATION**  
**(B.Sc.-HS-201)**

**Course Objectives:**

1. To understand the basic concepts required in the computer and its functioning.
2. To understand the concept of windows and word processors.
3. To understand the working of MS Office including MS Word, MS PowerPoint and MS Excel.

**Course Outcomes:**

1. To understand the working of MS Word.
2. To understand the working of MS PowerPoint.
3. To understand the working of MS Excel.
4. To be able to accomplish basic work using computer.

**CO-PO Mapping of B.Sc.-HS-201**

**Course Outcomes**

	PO1	PO2	PO3	PO4
<b>B.SC.-HS-201. 1</b>	3	2	1	1
<b>B.SC.-HS-201. 2</b>	3	2	1	1
<b>B.SC.-HS-201. 3</b>	3	3	1	1
<b>B.SC.-HS-201. 4</b>	3	2	1	1
<b>Total</b>	12	9	4	4
<b>Average of filled</b>	3	2.25	1	1

**Direct Assessment of B.Sc. HS201**

Total Number of Students	% of marks expected	Sessional	End Semester Exams
12	50	91.6 % of students secured more than 50% of marks	66.6% of students secured more than 50% of marks
<b>Scored Attainment</b>		3	1

**SHAHEED BABA DEEP SINGH**  
**Department of Home Science**  
**FACULTY OF ARTS & SOCIAL SCIENCES**



Email ID- [hsc@subharti.org](mailto:hsc@subharti.org), Website – [www.subharti.org](http://www.subharti.org), Contact No. 91-9639010541,

**SHAH BABA DEEP SINGH VAIDYA VIVEKANAND SUBHARTI UNIVERSITY**

Subhartipuram, NH-58, Delhi Haridwar Meerut Bypass Road, Meerut-250005  
 Ph. 0121-2439578, 2439052, 3058031, Ext. 2804, Telefax: 0121-2439067 e-mail:hsc@subharti.org

**Calculated Value-**

Sessional-  $30\% \text{ of } 3 = 30 \times 3 / 100 = 0.9$

End Semester Exams-  $70\% \text{ of } 1 = 70 \times 1 / 100 = 0.7$

Total Direct Assessment Value=  $0.9+0.7 = 1.6$

Calculated Direct Assessment Value=  $80\% \text{ of } 1.6 = 80 \times 1.6 / 100 = 1.28$

**Indirect Assessment (on 5 scale)**

Sl. No.	Average score of course exit survey (student wise)
1.	3.6
2.	4
3.	3.8
4.	2.7
5.	3.9
6.	3
7.	3.6
8.	4
9.	3
10.	3.6
11.	3.4
12.	2.8
83.3% of responses are more than 3 scale	
<b>Level</b>	3

**Calculated Value-  $20\% \text{ of } 3 = 20 \times 3 / 100 = 0.6$**

**Overall Assessment of Attainment of Direct and Indirect Value=  $1.28+0.6 = 1.88$**

**Matrix to Calculate the Attainment Score of B.Sc. Home Science**

	Calculated Attainment							
		PO1	PO2	PO3	PO4	PO5	PO6	PO7
Average CO-PO mapped value	1.28	3	2.25	1	1	-	-	-

**SHAHEED BABA DEEP SINGH**  
**Department of Home Science**  
**FACULTY OF ARTS & SOCIAL SCIENCES**

Email ID- [hsc@subharti.org](mailto:hsc@subharti.org), Website – [www.subharti.org](http://www.subharti.org), Contact No. 91-9639010541,



**VAMI VIVEKANAND SUBHARTI UNIVERSITY**

Subhartipuram, NH-58, Delhi Haridwar Meerut Bypass Road, Meerut-250005  
 Ph. 0121-2439578, 2439052, 3058031, Ext. 2804, Telefax: 0121-2439067 e-mail:hsc@subharti.org

Attainment score		$1.28 \times 3/3$ = 1.28	$1.28 \times 2.25/3$ = 0.96	$1.28 \times 1/3$ = 0.42	$1.28 \times 1/3$ = 0.42			
Status of attainment		No	<b>N0</b>	<b>No</b>	<b>No</b>			

**Action plan for attainment of CO-PO for the next year**

Sl. no.	
1	Increase the use of AV aids in explaining the concepts of the subject matter to the students
2	Enable students to communicate effectively and improve their standard of competence by encouraging students to give presentations and cross-questioning.
3	Improve quality, promote excellence and innovation and increase autonomy.

**SHAHEED BABA DEEP SINGH**  
**Department of Home Science**  
**FACULTY OF ARTS & SOCIAL SCIENCES**

Email ID- [hsc@subharti.org](mailto:hsc@subharti.org), Website – [www.subharti.org](http://www.subharti.org), Contact No. 91-9639010541,



**YAMI VIVEKANAND SUBHARTI UNIVERSITY**

Subhartipuram, NH-58, Delhi Haridwar Meerut Bypass Road, Meerut-250005  
Ph. 0121-2439578, 2439052, 3058031, Ext. 2804, Telefax: 0121-2439067 e-mail:hsc@subharti.org

**SEMESTER II**  
**DYNAMICS OF COMMUNICATION AND EXTENSION**  
**(B.Sc.-HS-202)**

**Course Objectives**

1. To introduce the student to the concept of human communication and its components.
2. To understand the concept of extension and it's inter-relationship with communication.
3. To study the various tools and techniques in the process of communication.
4. To be able to use techniques in communication.
5. To be able to communicate and bring changes in community.

**Course Outcomes**

1. Develop understanding of concept of human communication and its components.
2. Learn the concept of extension and it's interrelationship with communication.
3. Understand the various tools and techniques in the process of communication.
4. Grasp understanding about various communication methods and media.
5. Develop skills in preparation, presentation and evaluation of select methods and media.

**CO-PO mapping of B.Sc. HS202**

	<b>PO1</b>	<b>PO2</b>	<b>PO3</b>	<b>PO4</b>
<b>B.SC.-HS-202. 1</b>	3	3	2	1
<b>B.SC.-HS-202. 2</b>	3	3	2	1
<b>B.SC.-HS-202. 3</b>	3	2	2	2
<b>B.SC.-HS-202. 4</b>	3	3	1	2
<b>B.SC.-HS-202. 5</b>	3	2	2	2
<b>Total</b>	15	13	9	8
<b>Average of filled</b>	3	2.6	1.8	1.6

**SHAHEED BABA DEEP SINGH**  
**Department of Home Science**  
**FACULTY OF ARTS & SOCIAL SCIENCES**

Email ID- [hsc@subharti.org](mailto:hsc@subharti.org), Website – [www.subharti.org](http://www.subharti.org), Contact No. 91-9639010541,



**YAMI VIVEKANAND SUBHARTI UNIVERSITY**

Subhartipuram, NH-58, Delhi Haridwar Meerut Bypass Road, Meerut-250005  
 Ph. 0121-2439578, 2439052, 3058031, Ext. 2804, Telefax: 0121-2439067 e-mail:hsc@subharti.org

**Direct Assessment**

Total Number of Students	% of marks expected	Sessional	End Semester Exams
11	50	81.8 % of students secured more than 50% of marks	72.7 % of students secured more than 50% of marks
<b>Scored Attainment</b>		3	2

**Calculated Value for direct assessment-**

**Sessional-** 30% of 3=  $30 \times 3 / 100 = 0.9$

**End Semester Exams-** 70% of 2=  $70 \times 2 / 100 = 1.4$

**Total Direct Assessment Value=** .9+ 1.4= 2.3

**Calculated Direct Assessment Value=** 80% of 2.3=  $80 \times 2.3 / 100 = 1.84$

**Indirect Assessment (on 5 scale)**

**Total Students:** 12

Sl. no.	Average score of course exit survey (student wise)
1.	2.6
2.	2.9
3.	2.9
4.	3.6
5.	3.9
6.	3.6
7.	4
8.	3
9.	3
10.	3
11.	4
12.	-
72.7% of responses are more than 3 scale	
<b>Level</b>	2

**SHAHEED BABA DEEP SINGH**  
**Department of Home Science**  
**FACULTY OF ARTS & SOCIAL SCIENCES**



**AMI VIVEKANAND SUBHARTI UNIVERSITY**

Subhartipuram, NH-58, Delhi Haridwar Meerut Bypass Road, Meerut-250005  
 Ph. 0121-2439578, 2439052, 3058031, Ext. 2804, Telefax: 0121-2439067 e-mail:hsc@subharti.org

**Calculated Value-  $20\% \text{ of } 2 = 20 \times 2 / 100 = .4$**

**Overall Assessment of Attainment of Direct and Indirect Value=  $1.84+0.4 = 2.24$**

**Matrix to Calculate the Attainment Score of B.Sc. Home Science**

	Calculated Attainment	PO1	PO2	PO3	PO4	PO5
		Average CO-PO mapped value	3	2.6	1.84	1.6
Attainment score	<b>1.84</b>	$3 \times 1.84 / 2 = 2.76$	$2.6 \times 1.84 / 2 = 2.39$	$1.84 \times 1.84 / 2 = 1.65$	$1.6 \times 1.84 / 2 = 1.47$	
		No	<b>N0</b>	<b>No</b>	<b>No</b>	

**Action plan for attainment of CO-PO for the next year**

Sl. no.	
1	Increase the use of AV aids in explaining the concepts of the subject matter to the students
2	Enable students to communicate effectively and improve their standard of competence by encouraging students to give presentations and cross-questioning.
3	Improve quality, promote excellence and innovation and increase autonomy.
4	Deliver appropriate infrastructure for learning environment and make student a part of mock field work e.g. conducting advocacy programs.

**SHAHEED BABA DEEP SINGH**  
**Department of Home Science**  
**FACULTY OF ARTS & SOCIAL SCIENCES**

Email ID- [hsc@subharti.org](mailto:hsc@subharti.org), Website – [www.subharti.org](http://www.subharti.org), Contact No. 91-9639010541,



**YAMI VIVEKANAND SUBHARTI UNIVERSITY**

Subhartipuram, NH-58, Delhi Haridwar Meerut Bypass Road, Meerut-250005  
Ph. 0121-2439578, 2439052, 3058031, Ext. 2804, Telefax: 0121-2439067 e-mail:hsc@subharti.org

**SEMESTER II**

**INTRODUCTION OF RESOURCE MANAGEMENT  
(B.Sc.-HS-203)**

**Course Objectives**

1. To understand the fundamentals of resource management in changing scenario.
2. To Inculcate skills in the identification, creation, selection and judicious use of available resources with emphasis on maximization and conservation.
3. To understand the processes of management in a scientific manner in the use of resources and enable the students to utilize the resources in a prudent manner.

**Course Outcomes**

1. Comprehend the fundamentals of resource management in changing scenario.
2. Inculcate skills in the identification, creation, selection and judicious use of available resources with emphasis on maximization and conservation.
3. Understand the processes of management in a scientific manner in the use of resources.

**CO-PO Mapping of B.Sc.-HS-203**

**Course Outcomes**

	<b>PO1</b>	<b>PO2</b>	<b>PO3</b>	<b>PO4</b>
<b>B.SC.-HS-203. 1</b>	2	3	3	0
<b>B.SC.-HS-203. 2</b>	2	2	2	1
<b>B.SC.-HS-203. 3</b>	2	3	2	2
<b>Total</b>	6	8	7	3
<b>Average of filled</b>	2	2.66	2.33	1

**Direct Assessment of B.Sc. HS203**

<b>Total Number of Students</b>	<b>% of marks expected</b>	<b>Sessional</b>	<b>End Semester Exams</b>
12	50	66.6 % of students secured more than 50% of marks	66.6 % of students secured more than 50% of marks
<b>Scored Attainment</b>		1	1



**SHAHEED BABA DEEP SINGH**  
**Department of Home Science**  
**FACULTY OF ARTS & SOCIAL SCIENCES**



Email ID- [hsc@subharti.org](mailto:hsc@subharti.org), Website – [www.subharti.org](http://www.subharti.org), Contact No. 91-9639010541,

**YAMI VIVEKANAND SUBHARTI UNIVERSITY**

Subhartipuram, NH-58, Delhi Haridwar Meerut Bypass Road, Meerut-250005  
Ph. 0121-2439578, 2439052, 3058031, Ext. 2804, Telefax: 0121-2439067 e-mail:hsc@subharti.org

Status of attainment	Yes	NO	No	Yes			

**Action plan for attainment of CO-PO for the next year**

Sl. no.	
1	Increase the use of AV aids in explaining the concepts of the subject matter to the students
2	Enable students to communicate effectively and improve their standard of competence by encouraging students to give presentations and cross-questioning.
3	Improve quality, promote excellence and innovation and increase autonomy.

**SHAHEED BABA DEEP SINGH**  
**Department of Home Science**  
**FACULTY OF ARTS & SOCIAL SCIENCES**

Email ID- [hsc@subharti.org](mailto:hsc@subharti.org), Website – [www.subharti.org](http://www.subharti.org), Contact No. 91-9639010541,



**VAMI VIVEKANAND SUBHARTI UNIVERSITY**

Subhartipuram, NH-58, Delhi Haridwar Meerut Bypass Road, Meerut-250005  
Ph. 0121-2439578, 2439052, 3058031, Ext. 2804, Telefax: 0121-2439067 e-mail:hsc@subharti.org

**SEMESTER II**  
**HUMAN PHYSIOLOGY AND PROMOTIVE HEALTH**  
**(B.Sc.-HS-204)**

**Course Objectives:**

1. To understand the physiology and anatomy of all the systems of human body.
2. To understand the basic concepts of promotive health.

**Course Outcomes:**

1. Develop a holistic understanding of mental, reproductive and social health.
2. Develop the awareness of major communicable and non-communicable diseases.

**CO-PO Mapping of B.Sc.-HS-204**

**Course Outcomes**

	<b>PO1</b>	<b>PO2</b>	<b>PO3</b>	<b>PO4</b>
<b>B.SC.-HS-204. 1</b>	3	2	1	0
<b>B.SC.-HS-204. 2</b>	3	3	1	0
<b>Total</b>	6	5	2	0
<b>Average of filled</b>	3	2.5	1	0

**Direct Assessment of B.Sc. HS204**

<b>Total Number of Students</b>	<b>% of marks expected</b>	<b>Sessional</b>	<b>End Semester Exams</b>
12	50	91.6 % of students secured more than 50% of marks	58.3% of students secured more than 50% of marks
<b>Scored Attainment</b>		3	0

**Calculated Value-**

Sessional- 30% of 3=  $30 \times 3 / 100 = 0.9$

End Semester Exams- 70% of 0=  $70 \times 0 / 100 = 0$

**SHAHEED BABA DEEP SINGH**  
**Department of Home Science**  
**FACULTY OF ARTS & SOCIAL SCIENCES**

Email ID- [hsc@subharti.org](mailto:hsc@subharti.org), Website – [www.subharti.org](http://www.subharti.org), Contact No. 91-9639010541,



**YAMI VIVEKANAND SUBHARTI UNIVERSITY**

Subhartipuram, NH-58, Delhi Haridwar Meerut Bypass Road, Meerut-250005  
 Ph. 0121-2439578, 2439052, 3058031, Ext. 2804, Telefax: 0121-2439067 e-mail:hsc@subharti.org

Total Direct Assessment Value=  $0.9+0= 0.9$

Calculated Direct Assessment Value=  $80\%$  of  $0.9= 80 \times 0.9 / 100= 0.72$

**Indirect Assessment (on 5 scale)**

Sl. No.	Average score of course exit survey (student wise)
1.	3.6
2.	4
3.	3.8
4.	3
5.	3.9
6.	3
7.	3.6
8.	4
9.	3
10.	3.6
11.	3.4
12.	3
100% of responses are more than 3 scale	
<b>Level</b>	3

Calculated Value-  $20\%$  of  $3= 20 \times 3 / 100= 0.6$

**Overall Assessment of Attainment of Direct and Indirect Value=  $0.72+0.6= 1.32$**

**Matrix to Calculate the Attainment Score of B.Sc. Home Science**

	Calculated Attainment							
		PO1	PO2	PO3	PO4	PO5	PO6	PO7
Average CO-PO mapped value	0.72	3	2.5	1	1	-	-	-
Attainment score		$0.72 \times 3 / 3 = 0.72$	$0.72 \times 2.5 / 3 = 0.6$	$0.72 \times 1 / 3 = 0.24$	$0.72 \times 1 / 3 = 0.24$			
Status of attainment		No	<b>NO</b>	<b>No</b>	<b>No</b>			

**SHAHEED BABA DEEP SINGH**  
**Department of Home Science**  
**FACULTY OF ARTS & SOCIAL SCIENCES**



Email ID- [hsc@subharti.org](mailto:hsc@subharti.org), Website – [www.subharti.org](http://www.subharti.org), Contact No. 91-9639010541,

**AMI VIVEKANAND SUBHARTI UNIVERSITY**

Subhartipuram, NH-58, Delhi Haridwar Meerut Bypass Road, Meerut-250005  
Ph. 0121-2439578, 2439052, 3058031, Ext. 2804, Telefax: 0121-2439067 e-mail:hsc@subharti.org

**Action plan for attainment of CO-PO for the next year**

Sl. no.	
1	Increase the use of AV aids in explaining the concepts of the subject matter to the students
2	Enable students to communicate effectively and improve their standard of competence by encouraging students to give presentations and cross-questioning.
3	Improve quality, promote excellence and innovation and increase autonomy.

**SHAHEED BABA DEEP SINGH**  
**Department of Home Science**  
**FACULTY OF ARTS & SOCIAL SCIENCES**



Email ID- [hsc@subharti.org](mailto:hsc@subharti.org), Website – [www.subharti.org](http://www.subharti.org), Contact No. 91-9639010541,

**YAMI VIVEKANAND SUBHARTI UNIVERSITY**

Subhartipuram, NH-58, Delhi Haridwar Meerut Bypass Road, Meerut-250005  
 Ph. 0121-2439578, 2439052, 3058031, Ext. 2804, Telefax: 0121-2439067 e-mail:hsc@subharti.org

**SEMESTER II**

**THEORIES OF HUMAN DEVELOPMENT**  
**(B.Sc.-HS-205)**

**Course Objectives:**

1. To understand the different sectors of development, with social reference to women and develop insight into the issues and concerns of women.
2. To study strategies for empowerment of women.

**Course Outcomes**

1. Understand classical and contemporary theoretical perspectives in Human Development.
2. Apply theoretical understanding of core concepts in Human development to the everyday context.

**CO-PO Mapping of B.Sc.-HS-205**

**Course Outcomes**

	<b>PO1</b>	<b>PO2</b>	<b>PO3</b>	<b>PO4</b>
<b>B.SC.-HS-205. 1</b>	2	2	2	0
<b>B.SC.-HS-205. 2</b>	3	2	1	0
<b>Total</b>	5	4	3	0
<b>Average of filled</b>	2.5	2	1.5	0

**Direct Assessment of B.Sc. HS205**

<b>Total Number of Students</b>	<b>% of marks expected</b>	<b>Sessional</b>	<b>End Semester Exams</b>
12	50	66.6 % of students secured more than 50% of marks	75% of students secured more than 50% of marks

<b>Scored Attainment</b>	1	2
--------------------------	---	---

**SHAHEED BABA DEEP SINGH**  
**Department of Home Science**  
**FACULTY OF ARTS & SOCIAL SCIENCES**



Email ID- [hsc@subharti.org](mailto:hsc@subharti.org), Website – [www.subharti.org](http://www.subharti.org), Contact No. 91-9639010541,

**YAMI VIVEKANAND SUBHARTI UNIVERSITY**

Subhartipuram, NH-58, Delhi Haridwar Meerut Bypass Road, Meerut-250005  
 Ph. 0121-2439578, 2439052, 3058031, Ext. 2804, Telefax: 0121-2439067 e-mail:hsc@subharti.org

**Calculated Value-**

Sessional- 30% of 1=  $30 \times 3 / 100 = 0.3$

End Semester Exams- 70% of 2=  $70 \times 2 / 100 = 1.4$

Total Direct Assessment Value=  $1.4 + .3 = 1.7$

Calculated Direct Assessment Value= 80% of 1.7=  $80 \times 1.7 / 100 = 1.36$

**Indirect Assessment (on 5 scale)**

Sl. No.	Average score of course exit survey (student wise)
1.	2.6
2.	2.6
3.	3
4.	3
5.	3.6
6.	3.6
7.	4
8.	4
9.	2.9
10.	2.8
11.	3
12.	3
66.6% of responses are more than 3 scale	
Level	1

Calculated Value- 20% of 1=  $20 \times 1 / 100 = 0.2$

Overall Assessment of Attainment of Direct and Indirect Value=  $1.36 + 0.2 = 1.56$

**Matrix to Calculate the Attainment Score of B.Sc. Home Science**

	Calculated Attainment	PO1	PO2	PO3	PO4	PO5	PO6	PO7
		Average CO-PO mapped value	2.5	2	1.5	1		-

**SHAHEED BABA DEEP SINGH**  
**Department of Home Science**  
**FACULTY OF ARTS & SOCIAL SCIENCES**

Email ID- [hsc@subharti.org](mailto:hsc@subharti.org), Website – [www.subharti.org](http://www.subharti.org), Contact No. 91-9639010541,



**YAMI VIVEKANAND SUBHARTI UNIVERSITY**

Subhartipuram, NH-58, Delhi Haridwar Meerut Bypass Road, Meerut-250005  
 Ph. 0121-2439578, 2439052, 3058031, Ext. 2804, Telefax: 0121-2439067 e-mail:hsc@subharti.org

<b>Attainment score</b>	<b>1.36</b>	<b>1.36x2.5/ 1 = 3.4</b>	<b>1.36x2/ 1 = 2.72</b>	<b>1.36x1.5/ 1 = 2.04</b>	<b>1.36x0/ 1 = 0</b>			
<b>Status of attainment score</b>		<b>No</b>	<b>N0</b>	<b>No</b>	<b>No</b>			

**Action plan for attainment of CO-PO for the next year**

<b>Sl. no.</b>	
1	Increase the use of AV aids in explaining the concepts of the subject matter to the students
2	Enable students to communicate effectively and improve their standard of competence by encouraging students.
3	Improve quality, promote excellence and innovation and increase autonomy.

**SHAHEED BABA DEEP SINGH**  
**Department of Home Science**  
**FACULTY OF ARTS & SOCIAL SCIENCES**



Email ID- [hsc@subharti.org](mailto:hsc@subharti.org), Website – [www.subharti.org](http://www.subharti.org), Contact No. 91-9639010541,

**YAMI VIVEKANAND SUBHARTI UNIVERSITY**

Subhartipuram, NH-58, Delhi Haridwar Meerut Bypass Road, Meerut-250005  
Ph. 0121-2439578, 2439052, 3058031, Ext. 2804, Telefax: 0121-2439067 e-mail:hsc@subharti.org

**SEMESTER III**  
**INTRODUCTION TO FABRIC AND APPAREL SCIENCE**  
**(B.Sc.-HS-301)**

**Course Objectives**

1. To familiarize the students with terminology related to textiles and apparel.
2. To impart knowledge to identify the fabrics and relate it to specific product, keeping in mind fabric properties and characters.
3. To enable intelligent selection, use and care of textiles and garments in relation to the individuals.
4. To give the basic knowledge of design and fashion.

**Course Outcomes**

1. Describe textile fibers in terms of their production and properties.
2. Understand various production techniques and properties of yarns.
3. Identify fabrics and relate it to specific products keeping in mind fabric properties and characteristics.
4. Understand various dyeing, printing and finishing techniques.

**CO-PO Mapping of B.Sc.-HS-301**

**Course Outcomes**

	<b>PO1</b>	<b>PO2</b>	<b>PO3</b>	<b>PO4</b>	<b>PO5</b>
<b>B.SC.-HS-301. 1</b>	2	3	3	0	
<b>B.SC.-HS-301. 2</b>	3	3	3	2	
<b>B.SC.-HS-301. 3</b>	2	3	1	1	
<b>B.SC.-HS-301. 4</b>	1	2	1	2	
<b>Total</b>	8	11	8	5	
<b>Average of filled</b>	2	2.75	2	1.25	

**SHAHEED BABA DEEP SINGH**  
**Department of Home Science**  
**FACULTY OF ARTS & SOCIAL SCIENCES**



Email ID- [hsc@subharti.org](mailto:hsc@subharti.org), Website – [www.subharti.org](http://www.subharti.org), Contact No. 91-9639010541,

**YAMI VIVEKANAND SUBHARTI UNIVERSITY**

Subhartipuram, NH-58, Delhi Haridwar Meerut Bypass Road, Meerut-250005  
 Ph. 0121-2439578, 2439052, 3058031, Ext. 2804, Telefax: 0121-2439067 e-mail:hsc@subharti.org

**Direct Assessment of B.Sc. HS301**

Total Number of Students	% of marks expected	Sessional	End Semester Exams
13	50	100 % of students secured more than 50% of marks	46.15% of students secured more than 50% of marks
<b>Scored Attainment</b>		<b>3</b>	<b>0</b>

**Calculated Value-**

Sessional- 30% of 3=  $30 \times 3 / 100 = 0.9$

End Semester Exams- 70% of 0=  $70 \times 0 / 100 = 0$

Total Direct Assessment Value=  $.9 + 0 = 0.9$

Calculated Direct Assessment Value= 80% of 0.9=  $80 \times 0.9 / 100 = 0.72$

**Indirect Assessment (on 5 scale)**

Sl. No.	Average score of course exit survey (student wise)
1.	2.9
2.	2.6
3.	0.3
4.	0.3
5.	4
6.	3.6
7.	4
8.	3.8
9.	2.9
10.	2.6
11.	4
12.	3.6
13.	3.8
69.2% of responses are more than 3 scale	
<b>Level</b>	<b>1</b>

**SHAHEED BABA DEEP SINGH**  
**Department of Home Science**  
**FACULTY OF ARTS & SOCIAL SCIENCES**



Email ID- [hsc@subharti.org](mailto:hsc@subharti.org), Website – [www.subharti.org](http://www.subharti.org), Contact No. 91-9639010541,

**YAMI VIVEKANAND SUBHARTI UNIVERSITY**

Subhartipuram, NH-58, Delhi Haridwar Meerut Bypass Road, Meerut-250005  
 Ph. 0121-2439578, 2439052, 3058031, Ext. 2804, Telefax: 0121-2439067 e-mail:hsc@subharti.org

**Calculated Value- 20% of 1= 20x1/ 100= 0.2**

**Overall Assessment of Attainment of Direct and Indirect Value= 0.72+.2= 0.92**

**Matrix to Calculate the Attainment Score of B.Sc. Home Science**

	Calculated Attainment							
		PO1	PO2	PO3	PO4	PO 5	PO 6	PO 7
Average CO-PO mapped value	0.72					-	-	-
Attainment value		$0.72 \times 0.2 / 1 = 1.44$	$0.72 \times 2.75 / 1 = 1.98$	$0.72 \times 2 / 1 = 1.44$	$0.72 \times 1.66 / 1 = 1.19$			
Status of attainment		No	No	No	No			

**Action plan for attainment of CO-PO for the next year**

Sl. no.	
1	Increase the use of AV aids in explaining the concepts of the subject matter to the students
2	Enable students to communicate effectively and improve their standard of competence by encouraging students to give presentations and cross-questioning.
3	Improve quality, promote excellence and innovation and increase autonomy.

**SHAHEED BABA DEEP SINGH**  
**Department of Home Science**  
**FACULTY OF ARTS & SOCIAL SCIENCES**

Email ID- [hsc@subharti.org](mailto:hsc@subharti.org), Website – [www.subharti.org](http://www.subharti.org), Contact No. 91-9639010541,



**YAMI VIVEKANAND SUBHARTI UNIVERSITY**

Subhartipuram, NH-58, Delhi Haridwar Meerut Bypass Road, Meerut-250005  
 Ph. 0121-2439578, 2439052, 3058031, Ext. 2804, Telefax: 0121-2439067 e-mail:hsc@subharti.org

**B.Sc.-HS-302**  
**INTERPERSONAL COMMUNICATION**

**Course Objectives**

1. To understand the interpersonal communication.
2. To understand the concept of mass communication.
3. To familiarize the students with the PRA techniques.

**Course Outcomes**

1. Develop understanding of concept of human communication and its components.
2. Grasp understanding about various communication methods and media.
3. Develop skills in preparation, presentation and evaluation of select methods and media

**CO-PO Mapping of B.Sc.-HS-302**

**Course Outcomes**

	PO1	PO2	PO3	PO4	PO5
<b>B.Sc.-HS-302.1</b>	3	2	2	2	2
<b>B.Sc.-HS-302.2</b>	3	2	2	2	2
<b>B.Sc.-HS-302.3</b>	3	3	3	3	3
<b>Total</b>	9	7	7	7	7
<b>Average of filled</b>	3	2.33	2.33	2.33	2.33

**Direct Assessment of B.Sc.-HS-302**

Total Number of Students	% of marks expected	Sessional	End Semester Exams
13	50	100 % of students secured more than 50% of marks	92.3%of students secured more than 50% of marks
<b>Scored Attainment</b>		<b>3</b>	<b>3</b>

**SHAHEED BABA DEEP SINGH**  
**Department of Home Science**  
**FACULTY OF ARTS & SOCIAL SCIENCES**



Email ID- [hsc@subharti.org](mailto:hsc@subharti.org), Website – [www.subharti.org](http://www.subharti.org), Contact No. 91-9639010541,

**SHAH BABA DEEP SINGH VIGNANI VIVEKANAND SUBHARTI UNIVERSITY**

Subhartipuram, NH-58, Delhi Haridwar Meerut Bypass Road, Meerut-250005  
 Ph. 0121-2439578, 2439052, 3058031, Ext. 2804, Telefax: 0121-2439067 e-mail:hsc@subharti.org

**Calculated Value-**

Sessional- 30% of 3=  $30 \times 3 / 100 = .9$

End Semester Exams- 70% of 3=  $70 \times 1 / 100 = 2.1$

Total Direct Assessment Value=  $.9 + 2.1 = 3$

Calculated Direct Assessment Value= 80% of 3=  $80 \times 3 / 100 = 2.4$

**Indirect Assessment (on 5 scale)**

Sl. No.	Average score of course exit survey (student wise)
1.	3
2.	3
3.	3.6
4.	3.6
5.	3.2
6.	3.5
7.	3
8.	3
9.	4
10.	3.2
11.	3.6
12.	2.2
13.	2.6
84.6% of responses are more than 3 scale	
Level	3

**Calculated Value- 20% of 3=  $20 \times 3 / 100 = 0.6$**

**Overall Assessment of Attainment of Direct and Indirect Value=  $2.4 + .6 = 3.0$**

**Matrix to Calculate the Attainment Score of M.Sc. Home Science**

	Calculated Attainment							
		PO1	PO2	PO3	PO4	PO5	PO6	PO7
Average CO-PO mapped		3	2.33	2.33	2.33	-	-	-

**SHAHEED BABA DEEP SINGH**  
**Department of Home Science**  
**FACULTY OF ARTS & SOCIAL SCIENCES**

Email ID- [hsc@subharti.org](mailto:hsc@subharti.org), Website – [www.subharti.org](http://www.subharti.org), Contact No. 91-9639010541,



**VAMI VIVEKANAND SUBHARTI UNIVERSITY**

Subhartipuram, NH-58, Delhi Haridwar Meerut Bypass Road, Meerut-250005  
 Ph. 0121-2439578, 2439052, 3058031, Ext. 2804, Telefax: 0121-2439067 e-mail:hsc@subharti.org

value								
Attainment score	2.4	$\frac{2.4 \times 3}{3} = 2.4$	$\frac{2.4 \times 2.33}{3} = 0.05$	$\frac{2.4 \times 2.33}{3} = 0.05$	$\frac{2.4 \times 2.33}{3} = 0.05$			
Status of attainment		No	Yes	Yes	Yes	-	-	-

**Action plan for attainment of CO-PO for the next year**

Sl. no.	
1	Increase the use of AV aids in explaining the concepts of the subject matter to the students
2	Enable students to communicate effectively and improve their standard of competence by encouraging students to give presentations and cross-questioning.
3	Improve quality, promote excellence and innovation and increase autonomy.

**SHAHEED BABA DEEP SINGH**  
**Department of Home Science**  
**FACULTY OF ARTS & SOCIAL SCIENCES**

Email ID- [hsc@subharti.org](mailto:hsc@subharti.org), Website – [www.subharti.org](http://www.subharti.org), Contact No. 91-9639010541,



**YAMI VIVEKANAND SUBHARTI UNIVERSITY**

Subhartipuram, NH-58, Delhi Haridwar Meerut Bypass Road, Meerut-250005  
Ph. 0121-2439578, 2439052, 3058031, Ext. 2804, Telefax: 0121-2439067 e-mail:hsc@subharti.org

**SEMESTER III**  
**PERSONAL FINANCE AND CONSUMER STUDIES**  
**(B.Sc.-HS-303)**

**Course Objectives:**

1. To familiarize the student with changing socio-economic environment and consumer behavior.
2. To strengthen financial management practices of the students for wise consumer behavior.
3. To develop an understanding of the types of markets, changing concepts of markets
4. Understand changes in socio-economic environment and marketing strategies for consumer perspectives.

**Course Outcomes**

1. Gain knowledge of the changing socio-economic environment and consumer behavior.
2. Strengthen the financial management practices of the students for wise consumer behavior.
3. Apprehend the types of markets, changing concepts of markets, changes in socio-economic environment, and marketing strategies from consumer's perspective.
4. Comprehend issues related to consumer problems, consumer movement and consumer protection

**CO-PO Mapping of B.Sc.-HS-303**

**Course Outcomes**

	PO1	PO2	PO3	PO4	PO5
<b>B.Sc.-HS-303.1</b>	3	2	2	2	
<b>B.Sc.-HS-303.2</b>	3	3	3	3	
<b>B.Sc.-HS-303.3</b>	3	1	1	1	
<b>B.Sc.-HS-303.4</b>	3	3	3	3	
<b>Total</b>	12	9	9	9	
<b>Average of filled</b>	3	2.25	2.25	2.25	

**SHAHEED BABA DEEP SINGH**  
**Department of Home Science**  
**FACULTY OF ARTS & SOCIAL SCIENCES**



Email ID- [hsc@subharti.org](mailto:hsc@subharti.org), Website – [www.subharti.org](http://www.subharti.org), Contact No. 91-9639010541,

**YAMI VIVEKANAND SUBHARTI UNIVERSITY**

Subhartipuram, NH-58, Delhi Haridwar Meerut Bypass Road, Meerut-250005  
 Ph. 0121-2439578, 2439052, 3058031, Ext. 2804, Telefax: 0121-2439067 e-mail:hsc@subharti.org

**Direct Assessment of B.Sc. HS303**

Total Number of Students	% of marks expected	Sessional	End Semester Exams
13	50	100 % of students secured more than 50% of marks	84.6% of students secured more than 50% of marks
<b>Scored Attainment</b>		<b>3</b>	<b>3</b>

**Calculated Value-**

Sessional- 30% of 3 =  $30 \times 3 / 100 = 0.9$

End Semester Exams- 70% of 3 =  $70 \times 3 / 100 = 2.1$

Total Direct Assessment Value =  $0.9 + 2.1 = 3.0$

Calculated Direct Assessment Value = 80% of 3 =  $80 \times 3 / 100 = 2.4$

**Indirect Assessment (on 5 scale)**

Sl. No.	Average score of course exit survey (student wise)
1.	2.9
2.	2.8
3.	3.0
4.	3.0
5.	0.4
6.	2.9
7.	3.0
8.	4.0
9.	4.0
10.	3.0
11.	3.0
12.	2.8
13.	2.8
66.6% of responses are more than 3 scale	
<b>Level</b>	<b>1</b>

**Calculated Value- 20% of 1 =  $20 \times 1 / 100 = 0.2$**

**SHAHEED BABA DEEP SINGH**  
**Department of Home Science**  
**FACULTY OF ARTS & SOCIAL SCIENCES**



Email ID- [hsc@subharti.org](mailto:hsc@subharti.org), Website – [www.subharti.org](http://www.subharti.org), Contact No. 91-9639010541,

**JYOTI VIVEKANAND SUBHARTI UNIVERSITY**

Subhartipuram, NH-58, Delhi Haridwar Meerut Bypass Road, Meerut-250005  
 Ph. 0121-2439578, 2439052, 3058031, Ext. 2804, Telefax: 0121-2439067 e-mail:hsc@subharti.org

**Overall Assessment of Attainment of Direct and Indirect Value= 2.4+0.2= 2.6**

**Matrix to Calculate the Attainment Score of B.Sc. Home Science**

	Calculated Attainment							
		PO1	PO2	PO3	PO4	PO 5	PO 6	PO 7
Average CO-PO mapped value	2.4	3	2.25	2.25	2.25	-	-	-
Attainment value		$2.4 \times 3 / 1 = 7.2$	$2.4 \times 2.25 / 1 = 5.4$	$2.4 \times 2.25 / 1 = 5.4$	$2.4 \times 2.25 / 1 = 5.4$	-	-	-
Status of attainment		No	<b>N0</b>	No	No	-	-	-

**Action plan for attainment of CO-PO for the next year**

Sl. no.	
1	Increase the use of AV aids in explaining the concepts of the subject matter to the students
2	Enable students to communicate effectively and improve their standard of competence by encouraging students to give presentations and cross-questioning.
3	Improve quality, promote excellence and innovation and increase autonomy.

**SHAHEED BABA DEEP SINGH**  
**Department of Home Science**  
**FACULTY OF ARTS & SOCIAL SCIENCES**

Email ID- [hsc@subharti.org](mailto:hsc@subharti.org), Website – [www.subharti.org](http://www.subharti.org), Contact No. 91-9639010541,



**VAMI VIVEKANAND SUBHARTI UNIVERSITY**

Subhartipuram, NH-58, Delhi Haridwar Meerut Bypass Road, Meerut-250005  
 Ph. 0121-2439578, 2439052, 3058031, Ext. 2804, Telefax: 0121-2439067 e-mail:hsc@subharti.org

**SEMESTER III**  
**CURRENT CONCERNS IN PUBLIC HEALTH NUTRITION**  
**(B.Sc.-HS-304)**

**Course Objectives:**

1. Plan and prepare low cost nutritious dishes and menus for vulnerable groups.
2. Develop skills in analyzing nutritional assessment data.

**Course Outcomes:**

1. Understand the multi-faceted nature of nutritional problems.
2. Be aware of the various aspects of nutrition education and promotion.
3. Be familiar with the policy and intervention program operating in India to overcome malnutrition.
4. To be able to demonstrate the capabilities in various settings.

**CO-PO Mapping of B.Sc.-HS-304**

**Course Outcomes**

	PO1	PO2	PO3	PO4	PO5
<b>B.Sc.-HS-304.1</b>	2	2	2	0	
<b>B.Sc.-HS-304.2</b>	3	1	2	0	
<b>B.Sc.-HS-304.3</b>	3	2	2	3	
<b>B.Sc.-HS-304.4</b>	1	1	2	2	
<b>Total</b>	9	6	8	5	
<b>Average of filled</b>	2.25	1.5	2	2.5	

**Direct Assessment of B.Sc. HS304**

Total Number of Students	% of marks expected	Sessional	End Semester Exams
13	50	100 % of students secured more than 50% of marks	66.6 % of students secured more than 50% of marks

**SHAHEED BABA DEEP SINGH**  
**Department of Home Science**  
**FACULTY OF ARTS & SOCIAL SCIENCES**



Email ID- [hsc@subharti.org](mailto:hsc@subharti.org), Website – [www.subharti.org](http://www.subharti.org), Contact No. 91-9639010541,

**YAMI VIVEKANAND SUBHARTI UNIVERSITY**

Subhartipuram, NH-58, Delhi Haridwar Meerut Bypass Road, Meerut-250005  
 Ph. 0121-2439578, 2439052, 3058031, Ext. 2804, Telefax: 0121-2439067 e-mail:hsc@subharti.org

<b>Scored Attainment</b>	<b>3</b>	<b>3</b>
--------------------------	----------	----------

**Calculated Value-**

Sessional- 30% of 3=  $30 \times 3 / 100 = .9$

End Semester Exams- 70% of 3=  $70 \times 3 / 100 = 2.1$

Total Direct Assessment Value=  $.9 + 2.1 = 3.0$

Calculated Direct Assessment Value= 80% of 3 =  $80 \times 3 / 100 = 2.4$

**Indirect Assessment (on 5 scale)**

Sl. No.	Average score of course exit survey (student wise)
1.	2.6
2.	3
3.	3
4.	4
5.	4
6.	2.9
7.	2.8
8.	3
9.	3
10.	4
11.	3
12.	4
13.	2
69.2% of responses are more than 3 scale	
<b>Level</b>	<b>1</b>

Calculated Value- 20% of 1=  $20 \times 1 / 100 = 0.2$

**Overall Assessment of Attainment of Direct and Indirect Value=  $2.4 + .2 = 2.6$**

**SHAHEED BABA DEEP SINGH**  
**Department of Home Science**  
**FACULTY OF ARTS & SOCIAL SCIENCES**



Email ID- [hsc@subharti.org](mailto:hsc@subharti.org), Website – [www.subharti.org](http://www.subharti.org), Contact No. 91-9639010541,  
**VAMI VIVEKANAND SUBHARTI UNIVERSITY**

Subhartipuram, NH-58, Delhi Haridwar Meerut Bypass Road, Meerut-250005  
 Ph. 0121-2439578, 2439052, 3058031, Ext. 2804, Telefax: 0121-2439067 e-mail:hsc@subharti.org

**Matrix to Calculate the Attainment Score of B.Sc. Home Science**

	Calculated Attainment							
		PO1	PO2	PO3	PO4	PO5	PO6	PO7
Average CO-PO mapped value	2.4	2.25	1.5	2	2.5	-	-	-
Attainment score		$2.25 \times 2.4 / 1 = 5.4$	$1.5 \times 2.4 / 1 = 3.6$	$2 \times 2.4 / 1 = 4.8$	$2.5 \times 2.4 / 1 = 6$	-	-	-
Status of attainment		No	No	No	No	-	-	-

**Action plan for attainment of CO-PO for the next year**

Sl. no.	
1	Increase the use of AV aids in explaining the concepts of the subject matter to the students
2	Enable students to communicate effectively and improve their standard of competence by encouraging students to give presentations and cross-questioning.
3	Improve quality, promote excellence and innovation and increase autonomy.

**SHAHEED BABA DEEP SINGH**  
**Department of Home Science**  
**FACULTY OF ARTS & SOCIAL SCIENCES**

Email ID- [hsc@subharti.org](mailto:hsc@subharti.org), Website – [www.subharti.org](http://www.subharti.org), Contact No. 91-9639010541,



**YAMI VIVEKANAND SUBHARTI UNIVERSITY**

Subhartipuram, NH-58, Delhi Haridwar Meerut Bypass Road, Meerut-250005  
 Ph. 0121-2439578, 2439052, 3058031, Ext. 2804, Telefax: 0121-2439067 e-mail:hsc@subharti.org

**SEMESTER III**  
**UNDERSTANDING PSYCHOLOGY**  
**(B.Sc.-HS-305)**

**Course Objectives**

1. Comprehend the major economic problems of India and their implications on society.
2. Understand various policy measures adopted in the country.

**Course Outcomes**

1. Understand Psychology as a discipline, and its core concepts
2. Demonstrate understanding of fundamental psychological processes in human beings
3. Grasp models of behavior, perception, memory and learning
4. Be able to understand the problems related to various stages of life span.

**CO-PO Mapping of B.Sc.-HS-305**

**Course Outcomes**

	PO1	PO2	PO3	PO4	PO5
<b>B.Sc.-HS-305.1</b>	3	2	2		
<b>B.Sc.-HS-305.2</b>	2	2	2	1	
<b>B.Sc.-HS-305.3</b>	2	2	3	0	
<b>B.Sc.-HS-305.4</b>	-				
<b>Total</b>	7	6	7	3	
<b>Average of filled</b>	2.33	2	2.33	1	

**Direct Assessment of B.Sc. HS305**

Total Number of Students	% of marks expected	Sessional	End Semester Exams
13	50	92.3% of students secured more than 50% of marks	92.3 % of students secured more than 50% of marks
<b>Scored Attainment</b>		<b>3</b>	<b>3</b>

**SHAHEED BABA DEEP SINGH**  
**Department of Home Science**  
**FACULTY OF ARTS & SOCIAL SCIENCES**



Email ID- [hsc@subharti.org](mailto:hsc@subharti.org), Website – [www.subharti.org](http://www.subharti.org), Contact No. 91-9639010541,

**SHAH BABA DEEP SINGH VVAMI VIVEKANAND SUBHARTI UNIVERSITY**

Subhartipuram, NH-58, Delhi Haridwar Meerut Bypass Road, Meerut-250005  
 Ph. 0121-2439578, 2439052, 3058031, Ext. 2804, Telefax: 0121-2439067 e-mail:hsc@subharti.org

**Calculated Value-**

Sessional- 30% of 3=  $30 \times 3 / 100 = 0.9$

End Semester Exams- 70% of 3=  $70 \times 3 / 100 = 2.1$

Total Direct Assessment Value=  $0.9 + 2.1 = 3$

Calculated Direct Assessment Value= 80% of 3 =  $80 \times 3 / 100 = 2.4$

**Indirect Assessment (on 5 scale)**

Sl. No.	Average score of course exit survey (student wise)
1.	2.9
2.	3
3.	3
4.	4
5.	4
6.	2.8
7.	3.6
8.	3.6
9.	3
10.	3.8
11.	3
12.	2.6
13.	3.6
76.9% of responses are more than 3 scale	
Level	2

**Calculated Value- 20% of 2=  $20 \times 2 / 100 = 0.4$**

**Overall Assessment of Attainment of Direct and Indirect Value=  $2.4 + 0.4 = 2.8$**

**Matrix to Calculate the Attainment Score of B.Sc. Home Science**

	Calculated Attainment							
		PO1	PO2	PO3	PO4	PO5	PO6	PO7
Average CO-PO mapped value		2.33	2	2.33	1.5	-	-	-

**SHAHEED BABA DEEP SINGH**  
**Department of Home Science**  
**FACULTY OF ARTS & SOCIAL SCIENCES**

Email ID- [hsc@subharti.org](mailto:hsc@subharti.org), Website – [www.subharti.org](http://www.subharti.org), Contact No. 91-9639010541,



**VIVEKANAND SUBHARTI UNIVERSITY**

Subhartipuram, NH-58, Delhi Haridwar Meerut Bypass Road, Meerut-250005  
 Ph. 0121-2439578, 2439052, 3058031, Ext. 2804, Telefax: 0121-2439067 e-mail:hsc@subharti.org

Attainment score	2.4	2.4x2.33/2 = 2.79	2.4x2/2 = 2.4	2.4x2.33/2 = 2.79	2.4x1.5/2 = 1.8	-	-	-
Status of attainment		No	Yes	No	No	-	-	-

**Action plan for attainment of CO-PO for the next year**

Sl. no.	
1	Increase the use of AV aids in explaining the concepts of the subject matter to the students
2	Enable students to communicate effectively and improve their standard of competence by encouraging students to give presentations and cross-questioning.
3	Improve quality, promote excellence and innovation and increase autonomy.

**SHAHEED BABA DEEP SINGH**  
**Department of Home Science**  
**FACULTY OF ARTS & SOCIAL SCIENCES**



Email ID- [hsc@subharti.org](mailto:hsc@subharti.org), Website – [www.subharti.org](http://www.subharti.org), Contact No. 91-9639010541,

**VAMI VIVEKANAND SUBHARTI UNIVERSITY**

Subhartipuram, NH-58, Delhi Haridwar Meerut Bypass Road, Meerut-250005  
 Ph. 0121-2439578, 2439052, 3058031, Ext. 2804, Telefax: 0121-2439067 e-mail:hsc@subharti.org

**SEMESTER IV**  
**HUMAN DEVELOPMENT II – ADOLESCENCE AND ADULTHOOD**  
**(B.Sc.-HS-401)**

**Course Objectives**

1. To understand the development in middle childhood and adolescence.
2. To gain knowledge of the issues concerning middle childhood and adolescence.
3. To study significant change during middle childhood and adolescence.

**Course Outcomes**

1. Demonstrate understanding and knowledge of development during the human life-span, from adolescence to late adulthood.
2. Gain knowledge to locate development during adolescence and different phases of adulthood.
3. Competency in using methods to studying development
4. Apply knowledge in socio-cultural context of Indian adolescents and adults.

**CO-PO Mapping of B.Sc.-HS-401**

**Course Outcomes**

	PO1	PO2	PO3	PO4	PO5
<b>B.Sc.-HS-401.1</b>	3	2	3	0	
<b>B.Sc.-HS-401.2</b>	3	2	2	1	
<b>B.Sc.-HS-401.3</b>	3	3	2	0	
<b>B.Sc.-HS-401.4</b>					
<b>Total</b>	9	7	7	1	
<b>Average of filled</b>	3	2.33	2.33	0.33	

**Direct Assessment of B.Sc. HS401**

Total Number of Students	% of marks expected	Sessional	End Semester Exams
12	50	100 % of students secured more than 50% of marks	50% of students secured more than 50% of marks

<b>Scored Attainment</b>	<b>3</b>	<b>0</b>
--------------------------	----------	----------

**SHAHEED BABA DEEP SINGH**  
**Department of Home Science**  
**FACULTY OF ARTS & SOCIAL SCIENCES**



**VAMI VIVEKANAND SUBHARTI UNIVERSITY**

Email ID- [hsc@subharti.org](mailto:hsc@subharti.org), Website – [www.subharti.org](http://www.subharti.org), Contact No. 91-9639010541,

Subhartipuram, NH-58, Delhi Haridwar Meerut Bypass Road, Meerut-250005  
Ph. 0121-2439578, 2439052, 3058031, Ext. 2804, Telefax: 0121-2439067 e-mail:hsc@subharti.org

**Calculated Value-**

Sessional- 30% of 3=  $30 \times 3 / 100 = 0.9$

End Semester Exams- 70% of 0=  $70 \times 0 / 100 = 0$

Total Direct Assessment Value=  $0.9 + 0 = 0.9$

Calculated Direct Assessment Value= 80% of 0.9=  $80 \times 0.9 / 100 = 0.72$

**Indirect Assessment (on 5 scale)**

Sl. No.	Average score of course exit survey (student wise)
1.	2.6
2.	3
3.	4
4.	3
5.	3
6.	3.6
7.	3.9
8.	3.8
9.	4
10.	3
11.	2.6
12.	2.8
75% of responses are more than 3 scale	
Level	2

**Calculated Value- 20% of 2=  $20 \times 2 / 100 = 0.4$**

**Overall Assessment of Attainment of Direct and Indirect Value=  $0.72 + 0.4 = 1.12$**

**SHAHEED BABA DEEP SINGH**  
**Department of Home Science**  
**FACULTY OF ARTS & SOCIAL SCIENCES**



Email ID- [hsc@subharti.org](mailto:hsc@subharti.org), Website – [www.subharti.org](http://www.subharti.org), Contact No. 91-9639010541,

**YAMI VIVEKANAND SUBHARTI UNIVERSITY**

Subhartipuram, NH-58, Delhi Haridwar Meerut Bypass Road, Meerut-250005  
 Ph. 0121-2439578, 2439052, 3058031, Ext. 2804, Telefax: 0121-2439067 e-mail:hsc@subharti.org

**Matrix to Calculate the Attainment Score of B.Sc. Home Science**

	Calculated Attainment							
		PO1	PO2	PO3	PO4	PO5	PO6	PO7
Average CO-PO mapped value	0.72	3	2.33	3	1	-	-	-
Attainment score		$0.72 \times 3 / 2 = 1.08$	$0.72 \times 2.33 / 2 = 0.83$	$0.72 \times 3 / 2 = 1.08$	$0.72 \times 1 / 2 = 0.36$			
Status of attainment		No	No	No	No			

**Action plan for attainment of CO-PO for the next year**

Sl. no.	
1	Increase the use of AV aids in explaining the concepts of the subject matter to the students
2	Enable students to communicate effectively and improve their standard of competence by encouraging students to give presentations and cross-questioning.
3	Improve quality, promote excellence and innovation and increase autonomy.

**SHAHEED BABA DEEP SINGH**  
**Department of Home Science**  
**FACULTY OF ARTS & SOCIAL SCIENCES**

Email ID- [hsc@subharti.org](mailto:hsc@subharti.org), Website – [www.subharti.org](http://www.subharti.org), Contact No. 91-9639010541,



**YAMI VIVEKANAND SUBHARTI UNIVERSITY**

Subhartipuram, NH-58, Delhi Haridwar Meerut Bypass Road, Meerut-250005  
Ph. 0121-2439578, 2439052, 3058031, Ext. 2804, Telefax: 0121-2439067 e-mail:hsc@subharti.org

**SEMESTER IV**  
**NUTRITION: A LIFECYCLE APPROACH**  
**(B.Sc.-HS-402)**

**Course Objectives**

1. To understand the role of nutrition in different stages of life span
2. To provide guidelines for adequate nutrition throughout lifespan
3. To get acquainted with growth, development & physiological changes during pregnancy, lactation & infancy.
4. Understand the principles of planning nutritionally adequate meals
5. Exercise food choices consonant with good health based on sound knowledge of principles of nutrition
6. To acquire knowledge about the nutritional needs & concerns of an individuals throughout adult years.

**Course Outcomes**

1. Comprehend the principles of planning for nutritionally adequate meals.
2. Exercise food choices on the basis of sound knowledge of principles of nutrition.
3. Acquire knowledge about the nutritional needs and concerns of an individual through the life cycle.
4. Understand nutrition considerations during special conditions

**CO-PO Mapping of B.Sc.-HS-402**

**Course Outcomes**

	<b>PO1</b>	<b>PO2</b>	<b>PO3</b>	<b>PO4</b>	<b>PO5</b>
<b>B.Sc.-HS-402.1</b>	2	2	3	0	
<b>B.Sc.-HS-402.2</b>	3	2	2	1	
<b>B.Sc.-HS-402.3</b>	3	3	2	1	
<b>B.Sc.-HS-402.4</b>	3	3	3	1	
<b>Total</b>	11	10	10	3	
<b>Average of filled</b>	2.75	2.5	2.5	0.75	

**SHAHEED BABA DEEP SINGH**  
**Department of Home Science**  
**FACULTY OF ARTS & SOCIAL SCIENCES**



Email ID- [hsc@subharti.org](mailto:hsc@subharti.org), Website – [www.subharti.org](http://www.subharti.org), Contact No. 91-9639010541,

**SHAH BABA DEEP SINGH VAIDYA VIVEKANAND SUBHARTI UNIVERSITY**

Subhartipuram, NH-58, Delhi Haridwar Meerut Bypass Road, Meerut-250005  
 Ph. 0121-2439578, 2439052, 3058031, Ext. 2804, Telefax: 0121-2439067 e-mail:hsc@subharti.org

**Direct Assessment of B.Sc. HS402**

Total Number of Students	% of marks expected	Sessional	End Semester Exams
13	50	100 % of students secured more than 50% of marks	92.3% of students secured more than 50% of marks
<b>Scored Attainment</b>	<b>3</b>	<b>3</b>	

**Calculated Value-**

Sessional- 30% of 3=  $30 \times 3 / 100 = .9$

End Semester Exams- 70% of 3=  $70 \times 3 / 100 = 2.1$

Total Direct Assessment Value=  $.9 + 2.1 = 3$

Calculated Direct Assessment Value= 80% of 3=  $80 \times 3 / 100 = 2.4$

**Indirect Assessment (on 5 scale)**

Form No.	Average score of course exit survey (student wise)
1.	2.6
2.	3.9
3.	4
4.	4
5.	2.4
6.	3
7.	3
8.	2.8
9.	4
10.	3
11.	2.6
12.	2.8
13.	4
61.5% of responses are more than 3 scale	
<b>Level</b>	<b>1</b>

**SHAHEED BABA DEEP SINGH**  
**Department of Home Science**  
**FACULTY OF ARTS & SOCIAL SCIENCES**



Email ID- [hsc@subharti.org](mailto:hsc@subharti.org), Website – [www.subharti.org](http://www.subharti.org), Contact No. 91-9639010541,

**JYOTI VIVEKANAND SUBHARTI UNIVERSITY**

Subhartipuram, NH-58, Delhi Haridwar Meerut Bypass Road, Meerut-250005  
 Ph. 0121-2439578, 2439052, 3058031, Ext. 2804, Telefax: 0121-2439067 e-mail:hsc@subharti.org

**Calculated Value- 20% of 1= 20x1/ 100= 0.2**

**Overall Assessment of Attainment of Direct and Indirect Value= 2.4+.2= 02.6**

**Matrix to Calculate the Attainment Score of B.Sc. Home Science**

	Calculated Attainment							
		PO1	PO2	PO3	PO4	PO5	PO6	PO7
Average CO-PO mapped value	2.4	2.75	2.5	2.5	1	-	-	-
Attainment Score		2.4x2.75/1 = 6.6	2.4x2.5/1 = 6	2.4x2.5/1 = 6	2.4x1/1 = 2.4			
Status of attainment		No	<b>N0</b>	<b>No</b>	<b>No</b>			

**Action plan for attainment of CO-PO for the next year**

Sl. no.	
1	Increase the use of AV aids in explaining the concepts of the subject matter to the students
2	Enable students to communicate effectively and improve their standard of competence by encouraging students to give presentations and cross-questioning.
3	Improve quality, promote excellence and innovation and increase autonomy.

**SHAHEED BABA DEEP SINGH**  
**Department of Home Science**  
**FACULTY OF ARTS & SOCIAL SCIENCES**

Email ID- [hsc@subharti.org](mailto:hsc@subharti.org), Website – [www.subharti.org](http://www.subharti.org), Contact No. 91-9639010541,



**JYOTI VIVEKANAND SUBHARTI UNIVERSITY**

Subhartipuram, NH-58, Delhi Haridwar Meerut Bypass Road, Meerut-250005  
Ph. 0121-2439578, 2439052, 3058031, Ext. 2804, Telefax: 0121-2439067 e-mail:hsc@subharti.org

**SEMESTER IV**  
**FASHION DESIGN AND DEVELOPMENT**  
**(B.Sc.-HS-403)**

**Course Objectives**

1. Select suitable apparel in relation to fabric and design components for individuals
2. Evaluate readymade garments on various parameters while its selection
3. Refine design skills through detailed study of garment components
4. Identify style variations in apparel
5. Apply design elements and principles with respect to apparel design

**Course Outcomes**

1. Understand the basics of fashion design
2. Develop various fashion details for garment construction
3. Understand the concepts of fashion pre-costing and designing
4. Describe the functioning of Indian and global fashion industry
5. Apply knowledge in daily routine
6. Demonstrate the applicability of pattern and design.

**CO-PO Mapping of B.Sc.-HS-403**

**Course Outcomes**

	<b>PO1</b>	<b>PO2</b>	<b>PO3</b>	<b>PO4</b>	<b>PO5</b>
<b>B.Sc.-HS-403.1</b>	1	2	1	1	
<b>B.Sc.-HS-403.2</b>	2	3	2	0	
<b>B.Sc.-HS-403.3</b>	3	2	1	2	
<b>B.Sc.-HS-403.4</b>	3	2	2	2	
<b>B.Sc.-HS-403.5</b>	2	3	2	1	
<b>B.Sc.-HS-403.6</b>	2	3	2	2	
<b>Total</b>	13	15	10	8	
<b>Average of filled</b>	2.16	2.5	1.66	1.33	

**SHAHEED BABA DEEP SINGH**  
**Department of Home Science**  
**FACULTY OF ARTS & SOCIAL SCIENCES**



Email ID- [hsc@subharti.org](mailto:hsc@subharti.org), Website – [www.subharti.org](http://www.subharti.org), Contact No. 91-9639010541,

**VAMI VIVEKANAND SUBHARTI UNIVERSITY**

Subhartipuram, NH-58, Delhi Haridwar Meerut Bypass Road, Meerut-250005  
 Ph. 0121-2439578, 2439052, 3058031, Ext. 2804, Telefax: 0121-2439067 e-mail:hsc@subharti.org

**Direct Assessment of B.Sc. HS403**

Total Number of Students	% of marks expected	Sessional	End Semester Exams
12	50	100 % of students secured more than 50% of marks	58.3% of students secured more than 50% of marks
<b>Scored Attainment</b>		<b>3</b>	<b>0</b>

**Calculated Value-**

Sessional-  $30\% \text{ of } 3 = \frac{30 \times 3}{100} = .9$

End Semester Exams-  $70\% \text{ of } 0 = \frac{70 \times 0}{100} = 0$

Total Direct Assessment Value=  $.9 + 0 = 0.9$

Calculated Direct Assessment Value=  $80\% \text{ of } 0.9 = \frac{80 \times 0.9}{100} = 0.72$

**Indirect Assessment (on 5 scale)**

Sl. No.	Average score of course exit survey (student wise)
1.	3
2.	2.5
3.	2.9
4.	3.4
5.	3
6.	3
7.	3
8.	4
9.	4
10.	2.6
11.	3
12.	3
75% of responses are more than 3 scale	
<b>Level</b>	<b>2</b>

Calculated Value-  $20\% \text{ of } 2 = \frac{20 \times 2}{100} = 0.4$

Overall Assessment of Attainment of Direct and Indirect Value=  $0.72 + 0.4 = 1.12$

**SHAHEED BABA DEEP SINGH**  
**Department of Home Science**  
**FACULTY OF ARTS & SOCIAL SCIENCES**



Email ID- [hsc@subharti.org](mailto:hsc@subharti.org), Website – [www.subharti.org](http://www.subharti.org), Contact No. 91-9639010541,

**YAMI VIVEKANAND SUBHARTI UNIVERSITY**

Subhartipuram, NH-58, Delhi Haridwar Meerut Bypass Road, Meerut-250005  
 Ph. 0121-2439578, 2439052, 3058031, Ext. 2804, Telefax: 0121-2439067 e-mail:hsc@subharti.org

**Matrix to Calculate the Attainment Score of B.Sc. Home Science**

	Calculate d Attainme nt							
		PO1	PO2	PO3	PO4	PO 5	PO 6	PO 7
Average CO-PO mapped value		2.16	2.5	1.66	1.66	-	-	-
Attainme nt score	0.72	$0.72 \times 2.16 / 2 = 0.77$	$0.72 \times 2.5 / 2 = 0.9$	$0.72 \times 1.66 / 2 = 0.59$	$0.72 \times 1.66 / 2 = 0.59$			
Status of attainmen t		No	<b>N0</b>	No	No			

**Action plan for attainment of CO-PO for the next year**

Sl. no.	
1	Increase the use of AV aids in explaining the concepts of the subject matter to the students
2	Enable students to communicate effectively and improve their standard of competence by encouraging students to give presentations and cross-questioning.
3	Improve quality, promote excellence and innovation and increase autonomy.

**SHAHEED BABA DEEP SINGH**  
**Department of Home Science**  
**FACULTY OF ARTS & SOCIAL SCIENCES**



Email ID- [hsc@subharti.org](mailto:hsc@subharti.org), Website – [www.subharti.org](http://www.subharti.org), Contact No. 91-9639010541,

**VAMI VIVEKANAND SUBHARTI UNIVERSITY**

Subhartipuram, NH-58, Delhi Haridwar Meerut Bypass Road, Meerut-250005  
 Ph. 0121-2439578, 2439052, 3058031, Ext. 2804, Telefax: 0121-2439067 e-mail:hsc@subharti.org

**SEMESTER IV**  
**EARLY CHILDHOOD AND EDUCATION**  
**(B.Sc.-HS-404)**

**Course Objectives**

1. To learn the concept of early childhood education
2. To understand the contribution of western & Indian educators to ECE
3. To be familiar with the play activities & management of ECE center.

**Course Outcomes**

1. Understand the early childhood care and development in India.
2. Comprehend the model child development programs in the Indian context.
3. Understand the planning and creating development and programmatic activities for children in the first six years of life

**CO-PO Mapping of B.Sc.-HS-404**

	PO1	PO2	PO3	PO4	PO5
<b>B.Sc.-HS-404.1</b>	2	3	2	0	
<b>B.Sc.-HS-404.2</b>	3	2	2	2	
<b>B.Sc.-HS-404.3</b>	3	3	2	2	
<b>Total</b>	8	8	6	4	
<b>Average of filled</b>	2.66	2.66	2	1.33	

**Direct Assessment of B.Sc. HS404**

Total Number of Students	% of marks expected	Sessional	End Semester Exams
13	50	100% of students secured more than 50% of marks	91.6% of students secured more than 50% of marks

<b>Scored Attainment</b>	<b>3</b>	<b>3</b>
--------------------------	----------	----------

**SHAHEED BABA DEEP SINGH**  
**Department of Home Science**  
**FACULTY OF ARTS & SOCIAL SCIENCES**



**VAMI VIVEKANAND SUBHARTI UNIVERSITY**

Subhartipuram, NH-58, Delhi Haridwar Meerut Bypass Road, Meerut-250005  
 Ph. 0121-2439578, 2439052, 3058031, Ext. 2804, Telefax: 0121-2439067 e-mail:hsc@subharti.org

**Calculated Value-**

Sessional- 30% of 3=  $30 \times 3 / 100 = .9$

End Semester Exams- 70% of 3=  $70 \times 3 / 100 = 2.1$

Total Direct Assessment Value=  $.9 + 2.1 = 3$

Calculated Direct Assessment Value= 80% of 3=  $80 \times 3 / 100 = 2.4$

**Indirect Assessment (on 5 scale)**

Sl. No.	Average score of course exit survey (student wise)
1.	3.6
2.	3
3.	3
4.	4
5.	3
6.	2.9
7.	3.8
8.	3
9.	4
10.	3
11.	2.8
12.	4
13.	3
84.6% of responses are more than 3 scale	
Level	3

Calculated Value- 20% of 3=  $20 \times 3 / 100 = 2.6$

Overall Assessment of Attainment of Direct and Indirect Value=  $2.4 + 0.6 = 3.0$

**Matrix to Calculate the Attainment Score of B.Sc. Home Science**

	Calculated Attainment							
		PO1	PO2	PO3	PO4	PO5	PO6	PO7
Average CO-PO mapped value	2.4	2.6	2.6	2	2	-	-	-

**SHAHEED BABA DEEP SINGH**  
**Department of Home Science**  
**FACULTY OF ARTS & SOCIAL SCIENCES**

Email ID- [hsc@subharti.org](mailto:hsc@subharti.org), Website – [www.subharti.org](http://www.subharti.org), Contact No. 91-9639010541,



**YAMI VIVEKANAND SUBHARTI UNIVERSITY**

Subhartipuram, NH-58, Delhi Haridwar Meerut Bypass Road, Meerut-250005  
 Ph. 0121-2439578, 2439052, 3058031, Ext. 2804, Telefax: 0121-2439067 e-mail:hsc@subharti.org

<b>Attainment score</b>		2.4x2.66/3 = 2.12	2.4x2.66/3 = 2.12	2.4x2/3 = 1.6	2.4x2/3 = 1.6			
<b>Status of attainment</b>		No	No	Yes	Yes			

**Action plan for attainment of CO-PO for the next year**

<b>Sl. no.</b>	
1	Increase the use of AV aids in explaining the concepts of the subject matter to the students
2	Enable students to communicate effectively and improve their standard of competence by encouraging students to give presentations and cross-questioning.
3	Improve quality, promote excellence and innovation and increase autonomy.

**SHAHEED BABA DEEP SINGH**  
**Department of Home Science**  
**FACULTY OF ARTS & SOCIAL SCIENCES**

Email ID- [hsc@subharti.org](mailto:hsc@subharti.org), Website – [www.subharti.org](http://www.subharti.org), Contact No. 91-9639010541,



**YAMI VIVEKANAND SUBHARTI UNIVERSITY**

Subhartipuram, NH-58, Delhi Haridwar Meerut Bypass Road, Meerut-250005  
 Ph. 0121-2439578, 2439052, 3058031, Ext. 2804, Telefax: 0121-2439067 e-mail:hsc@subharti.org

**SEMESTER IV**  
**NUTRITIONAL BIOCHEMISTRY**  
**(B.Sc.-HS-405)**

**Course Objectives**

1. To develop & understanding of the principles of biochemistry
2. To obtain an insight into the chemistry of major nutrients & physiologically important biomolecules.

**Course Outcomes**

1. Develop an understanding of the principles of biochemistry
2. Understand chemistry of major nutrients and physiologically important biomolecules.
3. Understand the biological processes and systems as applicable to nutrition.
4. Apply the knowledge acquired to human nutrition and dietetics.

**CO-PO Mapping of B.Sc.-HS-405**

**Course Outcomes**

	PO1	PO2	PO3	PO4	PO5
<b>B.Sc.-HS-405.1</b>	1	3	2	0	
<b>B.Sc.-HS-405.2</b>	2	2	2	0	
<b>B.Sc.-HS-405.3</b>	2	2	2	3	
<b>B.Sc.-HS-405.4</b>	3	3	3	3	
<b>Total</b>	8	10	9	6	
<b>Average of filled</b>	2	2.5	2.25	1.5	

**Direct Assessment of B.Sc. HS405**

Total Number of Students	% of marks expected	Sessional	End Semester Exams
13	50	100 % of students secured more than 50% of marks	61.5% of students secured more than 50% of marks
<b>Scored Attainment</b>	<b>3</b>	<b>1</b>	

**SHAHEED BABA DEEP SINGH**  
**Department of Home Science**  
**FACULTY OF ARTS & SOCIAL SCIENCES**



Email ID- [hsc@subharti.org](mailto:hsc@subharti.org), Website – [www.subharti.org](http://www.subharti.org), Contact No. 91-9639010541,

**SHAHED BABA DEEP SINGH VAIDYA VIVEKANAND SUBHARTI UNIVERSITY**

Subhartipuram, NH-58, Delhi Haridwar Meerut Bypass Road, Meerut-250005  
 Ph. 0121-2439578, 2439052, 3058031, Ext. 2804, Telefax: 0121-2439067 e-mail:hsc@subharti.org

**Calculated Value-**

Sessional- 30% of 3=  $30 \times 3 / 100 = .9$

End Semester Exams- 70% of 1=  $70 \times 1 / 100 = .7$

Total Direct Assessment Value=  $.9 + .7 = 1.6$

Calculated Direct Assessment Value= 80% of 1.6=  $80 \times 1.6 / 100 = 1.28$

**Indirect Assessment (on 5 scale)**

Sl. No.	Average score of course exit survey (student wise)
1.	3.6
2.	3
3.	3
4.	3.8
5.	4
6.	4
7.	3.7
8.	3.6
9.	3.8
10.	3.5
11.	2.6
12.	3
13.	2.4
84.6% of responses are more than 3 scale	
Level	3

**Calculated Value- 20% of 3=  $20 \times 3 / 100 = 0.6$**

**Overall Assessment of Attainment of Direct and Indirect Value=  $1.28 + .6 = 1.88$**

**Matrix to Calculate the Attainment Score of B.Sc. Home Science**

	Calculated Attainment							
		PO1	PO2	PO3	PO4	PO5	PO6	PO7
Average PO-CO mapped		2	2.5	2.5	3	-	-	-

**SHAHEED BABA DEEP SINGH**  
**Department of Home Science**  
**FACULTY OF ARTS & SOCIAL SCIENCES**

Email ID- [hsc@subharti.org](mailto:hsc@subharti.org), Website – [www.subharti.org](http://www.subharti.org), Contact No. 91-9639010541,



**YAMI VIVEKANAND SUBHARTI UNIVERSITY**

Subhartipuram, NH-58, Delhi Haridwar Meerut Bypass Road, Meerut-250005  
 Ph. 0121-2439578, 2439052, 3058031, Ext. 2804, Telefax: 0121-2439067 e-mail:hsc@subharti.org

value	<b>1.28</b>							
Attainment score		$1.28 \times 2/3 = 0.85$	$1.28 \times 2.5/3 = 1.06$	$1.28 \times 2.5/3 = 0.96$	$1.28 \times 3/3 = 1.28$			
Status of attainment		No	No	No	No			

**Action plan for attainment of CO-PO for the next year**

Sl. no.	
1	Increase the use of AV aids in explaining the concepts of the subject matter to the students
2	Enable students to communicate effectively and improve their standard of competence by encouraging students to give presentations and cross-questioning.
3	Improve quality, promote excellence and innovation and increase autonomy.

**SHAHEED BABA DEEP SINGH**  
**Department of Home Science**  
**FACULTY OF ARTS & SOCIAL SCIENCES**

Email ID- [hsc@subharti.org](mailto:hsc@subharti.org), Website – [www.subharti.org](http://www.subharti.org), Contact No. 91-9639010541,



**YAMI VIVEKANAND SUBHARTI UNIVERSITY**

Subhartipuram, NH-58, Delhi Haridwar Meerut Bypass Road, Meerut-250005  
 Ph. 0121-2439578, 2439052, 3058031, Ext. 2804, Telefax: 0121-2439067 e-mail:hsc@subharti.org

**Graduate Attributes**

**B.Sc. Home Science**

Outcomes	Graduate Attributes and Content
<p>PO1 Understand and appreciate the role of interdisciplinary sciences in the development and well- being of individuals, families and communities.</p> <p>PO2 Understand the sciences and technologies that enhance the quality of life of people</p> <p>PO3 Acquire professional and entrepreneurial skills for economic empowerment of self in particular, and community in general</p> <p>PO4 Develop professional skills in food, nutrition, textiles, housing, product making, communication technologies and human development.</p> <p>PO5 Take science from the laboratory to the people</p>	<p><b>Disciplinary knowledge</b></p> <p>Students are able to demonstrate comprehensive knowledge and understanding of major concepts .</p>
	<p><b>Communication Skills</b></p> <p>Students are competent in public speaking, writing and inter personal skills. Students are exposed to technical and soft skills, which is the core area in the Graduate Attributes in Subject</p>
	<p><b>Critical thinking:</b></p> <p>Students develop critical sensitivity towards both community issues and process. They learn to do lateral thinking developing out of the box solution and effective problem solving skills to address community issues</p>
	<p><b>Cooperation/Team work:</b></p> <p>Students have basic management skills for independently organizing events, resource mobilization and leading community based projects and initiatives.</p>
	<p><b>Multicultural competence:</b></p> <p>Students are confident of working in diverse socio-cultural contexts. They are able to effectively engage with multicultural groups and teams. They have sensitivities of cross cultural and ethnic diversity which they can apply to different settings.</p>

**SHAHEED BABA DEEP SINGH**  
**Department of Home Science**  
**FACULTY OF ARTS & SOCIAL SCIENCES**



Email ID- [hsc@subharti.org](mailto:hsc@subharti.org), Website – [www.subharti.org](http://www.subharti.org), Contact No. 91-9639010541,

**YAMI VIVEKANAND SUBHARTI UNIVERSITY**

Subhartipuram, NH-58, Delhi Haridwar Meerut Bypass Road, Meerut-250005  
Ph. 0121-2439578, 2439052, 3058031, Ext. 2804, Telefax: 0121-2439067 e-mail:hsc@subharti.org

**Lifelong learning :**

Students are capable of self-directed/ paced learning for the continued learning and holistic development for meeting their professional and personal needs in varying environment and changing contexts.