AC – 24/05/2024
Item No. – 8.9 (N) Sem-II (2c)

As Per NEP 2020

University of Mumbai

Syllabus for Basket of Minor	
Board of Studies in Home Science	
UG First Year Programme	
Semester	**II**
Title of Paper	**Credits**
III) Fabric Studies	**2**
From the Academic Year	**2024- 25**

<table>
<tr><th>Sr. No.</th><th>Heading</th><th>Particulars</th></tr>
<tr><td>1</td><td>Description the course :

Including but Not limited to :</td><td>Fabric Studies
The Course deals with the fundamental concepts and terminology related to fabrics, their properties and characteristics including woven, knitted, and non-woven to relate industry processes with the properties and fabric performance for particular end uses.</td></tr>
<tr><td>2</td><td>Vertical :</td><td>Major/ √ Minor/Open Elective /Skill Enhancement / Ability Enhancement/Indian Knowledge System</td></tr>
<tr><td>3</td><td>Type :</td><td>Theory</td></tr>
<tr><td>4</td><td>Credit:</td><td>2 credits (1 credit = 15 Hours for Theory)</td></tr>
<tr><td>5</td><td>Hours Allotted :</td><td>30 Hours</td></tr>
<tr><td>6</td><td>Marks Allotted:</td><td>50 Marks</td></tr>
<tr><td>7</td><td colspan="2">Course Objectives:
<table>
<tr><td colspan="2">The course enables learners to:</td></tr>
<tr><td>1.</td><td>Acquire knowledge of textiles, focusing on the characteristics, properties, production processes and applications of fabrics.</td></tr>
<tr><td>2.</td><td>Understand fabric construction methods, performance and the role of textiles in various industries.</td></tr>
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<tr><td>8</td><td colspan="2">Course Outcomes:
<table>
<tr><td colspan="2">At the successful completion of the course, students will be able to:</td></tr>
<tr><td>1</td><td>Understand the fundamental concepts and terminology related to fabrics.</td></tr>
<tr><td>2</td><td>Describe the properties and characteristics of different types of fabrics.</td></tr>
<tr><td>3</td><td>Understand and differentiate fabric production processes, including weaving, knitting, and non-woven techniques.</td></tr>
<tr><td>4</td><td>Analyse the relationship between yarn properties and fabric performance</td></tr>
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9 **Modules**:- Per credit One module can be created

Sr. No.	Course Content	Hours
Module 1.	**A. Woven Fabrics** i. Yarn preparatory stages, parts of the loom ii. Steps in weaving iii. Basic weaves (plain, twill, satin and sateen)	**15**
Module 2.	**A. Knitted Fabrics** i. Weft knitting and warp knitting ii. Properties and uses **B. Nonwoven Fabrics** i. Definition, manufacturing, properties and uses ii. Recent trends and future trend forecast of fabrics in the textile and fashion industry	**15**

10&11 **Text Books / References Books:**

1	Collier, B. J. & Phyllis, G. T. (2001). *Understanding Textiles*. New Jersey: Prentice Hall.
2	Corbman, B. P. (1985). *Textiles: Fibre to Fabric*. (6 Ed.) New York: Gregg Division/McGraw Hill
3	Gohl, L.P.G. & Velinsky L.D. (2005). *Textile Science* (2 Ed.) New Delhi: CBS Publishers and Distributors.
4	Gokerneshan, N. (2004). *Fabric Structure and Analysis*. New Delhi: New age International Publishers
5	Hollen, N., Saddler, J., Langford, A.L. & Kadolf, S.J. (1988). *Textiles* (6 Ed). New York: Macmillan.
6	Joseph, M.L. (1972). *Introductory Textile Science* (2 Ed.) New York: Holt, Rinehart and Winston.
7	Joseph, M.L. (1975). *Essentials of Textiles*. New York: Holt, Rinehart and Winston.
8	Needles, H. L. (2011). *Textile Fibres, Dyes, Finishes and Processes- A Concise Guide*. New Jersey: Noyes Publications.
9	Sekhri, S. (2011). *Fabric Science*. New Delhi: PHI Learning Private Ltd.
10	Tortora, P.G. (1978). *Understanding Textiles*. New York: Macmillan.
11	Vidyasagar, P.V. (1998). *Handbook of Textiles*. New Delhi: Mittal Publications.
12	Wynne, A. (1997). *Textiles – The Motivate Series*. London: Macmillan Education.

12	**Internal Continuous Assessment: 40%**	**External, Semester End Examination : 60% Individual Passing in Internal and External Examination**

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<td>13</td>
<td>Continuous Evaluation through:
Quizzes, Class Tests, presentation, project, role play, creative writing, assignment etc.(at least 3)</td>
<td>Evaluation for Theory (2 Credits for 50 Marks)
<table>
<tr><th>CONTINUOUS INTERNAL EVALUATION
(planned as per the need of the course)</th><th>Marks</th></tr>
<tr><td>Class participation/Quiz/Review of literature and guided discussions/Q&A sessions</td><td>10</td></tr>
<tr><td>Class tests/PPT Presentations and relevant planned assignments</td><td>10</td></tr>
<tr><td>Total Marks for Internal Assessment</td><td>20</td></tr>
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<tr>
<td>14</td>
<td colspan="2">Format of Question Paper: for the final examination
<table>
<tr><th colspan="2">SEMESTER-END THEORY EXAMINATION</th></tr>
<tr><td colspan="2">All questions are compulsory with internal choice.</td></tr>
<tr><td>Question 1 – Unit 1</td><td>10</td></tr>
<tr><td>Question 2 – Unit 2</td><td>10</td></tr>
<tr><td>Question 3 – From Multiple Units</td><td>10</td></tr>
<tr><td>Total Marks for Semester End Examination</td><td>30</td></tr>
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Sign of the BOS Chairman
Name of the Chairman
Name of the BOS

Sign of the Offg. Associate Dean
Name of the Associate Dean
Name of the Faculty

Sign of the Offg. Dean
Name of the Offg. Dean
Name of the Faculty